ORDER NO.DSD0404006C2

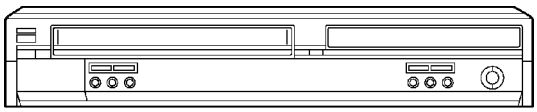
# Service Manual

## DVD Video Recorder

## DMR-E75VEB / DMR-E75VEG

**Colour**

**(S).....Silver Type**



**Note 1. <DVD Drive>**
VXY1813: Order No. RAM0402001C0
**Note 2. <VHS Mechanisim>**
R4-MECHANISM-CHASSIS-FOR-EURO-MODEL : Order No. MAD0403002C2

## SPECIFICATIONS

# Specifications

| | |
|---|---|
| **Power Supply:** | AC 220 V–240 V, 50 Hz |
| **Power Consumption:** | 39 W (Approx. 4 W in power save mode) |

| | |
|---|---|
| **Dimensions:** | Approx. 430 mm (W) × 89 mm (H) × 352 mm (D) |
| **Mass:** | Approx. 5.9 kg |
| **Operating Temperature:** | 5°C – 40°C |
| **Operating Humidity:** | 35% – 80% RH (no condensation) |

## DVD

| | |
|---|---|
| **Recording format:** | DVD-RAM: DVD Video Recording format<br>DVD-R: DVD-Video format<br>Video MPEG2 (Hybrid VBR)<br>Audio: Dolby Digital 2CH |
| **Recording disc:** | DVD-RAM: 12 cm 4.7 GB,<br>12 cm 9.4 GD,<br>8 cm 2.8 GB<br>DVD-R: 12 cm 4.7 GB, 8 cm 1.4 GB<br>(for General Ver.2.0)<br>12 cm 4.7 GB<br>(for General Ver.2.0/4×-SPEED DVD-R Revision 1.0) |
| **Recording mode/ recording time (with 4.7 GB disc):** | XP: approx. 10 Mbps/ approx. 60 min<br>SP: approx. 5 Mbps/ approx. 120 min<br>LP: approx. 3 Mbps/ approx. 240 min<br>EP: approx. 1.7/1.2 Mbps/ approx. 360/480 min |
| **Playable discs:** | DVD-RAM: 12 cm 4.7 GB,<br>12 cm 9.4 GB,<br>8 cm 2.8 GB<br>DVD-R: 12 cm 4.7 GB, 8 cm 1.4 GB<br>(for General Ver.2.0)<br>12 cm 4.7 GB<br>(for General Ver.2.0/4×-SPEED DVD-R Revision 1.0)<br>DVD-Video, DVD-Audio, Video CD, CD-Audio (CD-DA), CD-R/RW (MP3, CD-DA, Video CD formatted discs) |
| **Region code:** | 2 |

**Video interface**

| | | |
|---|---|---|
| **TV System** | 625/50: | PAL<br>SECAM (only input), (EG only) |
| | 525/60: | NTSC |
| **Input** | | |
| **AV1** | **SCART:** | Video: 1 Vp-p |
| **AV2** | **SCART:** | Video: 1 Vp-p<br>RGB: 0.7 Vp-p (only 625/50)<br>S-Video: Y: 1 Vp-p, C: 0.3 Vp-p (PAL burst) |
| **AV3** | **Pin jack:** | Video: 1 Vp-p |
| | **S-Video:** | Y: 1 Vp-p, C: 0.3 Vp-p (PAL burst) |
| **Output** | | |
| **AV1** | **SCART:** | Video: 1 Vp-p<br>RGB: 0.7 Vp-p (only 625/50) |
| **AV2** | **SCART:** | Video: 1 Vp-p |
| **DVD/VHS COMMON** | | |
| | **Pin jack:** | Video: 1 Vp-p |
| **DVD** | **Pin jack:** | Video: 1 Vp-p |
| | **S-Video:** | Y: 1 Vp-p, C: 0.3 Vp-p (PAL burst) |
| | **Component Video (Pin jack):** | Y: 1 Vp-p, PB: 0.7 Vp-p, PR: 0.7 Vp-p |

**Audio interface**

| | | |
|---|---|---|
| **Input** | | |
| **AV1** | **SCART:** | Standard: 0.5 Vrms, Full scale: 2 Vrms at 1 kHz |
| **AV2** | **SCART:** | Standard: 0.5 Vrms, Full scale: 2 Vrms at 1 kHz |
| **AV3** | **Pin jack:** | Standard: 0.5 Vrms, Full scale: 2 Vrms at 1 kHz |
| **Output** | | |
| **AV1** | **SCART:** | Standard: 0.5 Vrms, Full scale: 2 Vrms at 1 kHz |
| **AV2** | **SCART:** | Standard: 0.5 Vrms, Full scale: 2 Vrms at 1 kHz |
| **DVD/VHS COMMON** | | |
| | **Pin jack:** | Standard: 0.5 Vrms, Full scale: 2 Vrms at 1 kHz |
| **DVD** | **Pin jack:** | Standard: 0.5 Vrms, Full scale: 2 Vrms at 1 kHz |
| | **Digital Audio (Optical terminal):** | PCM, Dolby Digital, DTS, MPEG |

## VHS

| | |
|---|---|
| **Recording format:** | VHS Video Cassette System Standard with FM audio (PAL, MESECAM, (EG only) NTSC*)<br>* NTSC recording from external source or DVD disc, not from TV tuner. |
| **Recording mode/ recording time (with E-240 cassette):** | |
| **PAL/MESECAM (EG only):** | SP: 23.39 mm/s 240 min<br>LP: 11.7 mm/s 480 min<br>EP: 7.8 mm/s 720 min |
| **NTSC:** | SP: 33.35 mm/s 168 min<br>EP: 11.12 mm/s 505 min |
| **Others:** | FF/REW: approx. 60 s,<br>JET REW: approx. 43 s (with E-180 cassette) |

**Video interface**

| | | |
|---|---|---|
| **TV System** | 625/50: | PAL<br>SECAM (EG only) |
| | 525/60: | NTSC |
| **Input** | | |
| **AV1** | **SCART:** | Video: 1 Vp-p |
| **AV2** | **SCART:** | Video: 1 Vp-p<br>S-Video: Y: 1 Vp-p, C: 0.3 Vp-p (PAL burst) |
| **AV3** | **Pin jack:** | Video: 1 Vp-p |
| | **S-Video:** | Y: 1 Vp-p, C: 0.3 Vp-p (PAL burst) |
| **Output** | | |
| **AV1** | **SCART:** | Video: 1 Vp-p |
| **AV2** | **SCART:** | Video: 1 Vp-p |
| **DVD/VHS COMMON** | | |
| | **Pin jack:** | Video: 1 Vp-p |

**Audio interface**

| | | |
|---|---|---|
| **Input** | | |
| **AV1** | **SCART:** | -6 dBV |
| **AV2** | **SCART:** | -6 dBV |
| **AV3** | **Pin jack:** | -6 dBV |
| **Output** | | |
| **AV1** | **SCART:** | -6 dBV |
| **AV2** | **SCART:** | -6 dBV |
| **DVD/VHS COMMON** | | |
| | **Pin jack:** | -6 dBV |

**(For EG)**

| | | |
|---|---|---|
| **Tuner:** | Two built-in tuners (one for DVD and another for VCR) | |
| **Tuner system:** | PAL–BGH | |
| **Channel coverage:** | VHF: | CH E2–E12 A–H2 (Italy) |
| | UHF: | CH 21–69 |
| | CATV: | S01–S05 (S1–S3), S1–S20 (M1–U10), S21–S41 |
| **RF converter:** | Not provided | |

**(For EB)**

| | | |
|---|---|---|
| **Tuner:** | Two built-in tuners (one for DVD and another for VCR) | |
| **Tuner system:** | PAL–I | |
| **Channel coverage:** | UHF: | CH 21–68 |
| **RF converter:** | UHF: | CH 21–68 |

**LASER Specification**

| | | | |
|---|---|---|---|
| **Class 1 LASER Product (Pickup)** | | **(NORSK)** | |
| **Wave Length:** | 795 nm, 658 nm | **Bølgelengde:** | 795 nm, 658 nm |
| **Laser Power:** | No hazardous radiation is emitted with the safety protection | **Laserstyrke** | Ingen farlig stråling sendes ut |

**⚠ WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

# 1. Safety precautions

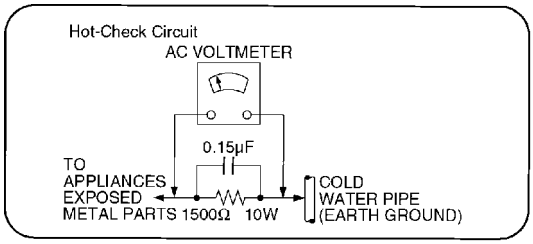
## 1.1. General guidelines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

### 1.1.1. Leakage current cold check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to thechassis, the reading should be between 1M Ω and 5.2M Ω . / When the exposed metal does not have a return path to the chassis, the reading must be ∞.

**Figure 1**




### 1.1.2. Leakage current hot check / (See Figure 1 .)

1. **Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.**
2. **Connect a 1.5k Ω , 10 watts resistor, in parallel with a 0.15 μ F capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1 .**
3. **Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.**
4. **Check each exposed metallic part, and measure the voltage at each point.**
5. **Reverse the AC plug in the AC outlet and repeat each of the above measurements.**
6. **The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliampere. In case a measurement isoutside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.**

## 2. Prevention of Electrostatic Discharge (ESD) to Electrostatic Sensitive (ES) Devices

**Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatic Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistor-sandsemiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).**

1. **Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and**

**wear a commercially available discharging ESD wrist strap, whichshould be removed for potential shock reasons prior to applying power to the unit under test.**

2. **After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.**
3. **Use only a grounded-tip soldering iron to solder or unsolder ES devices.**
4. **Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.**
5. **Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.**
6. **Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparableconductive material).**
7. **Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.**

   **Caution**

   **Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.**
8. **Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise hamless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficientto damage an ES device).**

**IMPORTANT SAFETY NOTICE**

There are special components used in this equipment which are imporant for safety.
These parts are marked by ⚠ in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

# 3. Precaution of Laser Diode

**CAUTION:**

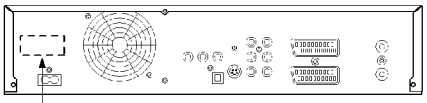
This product utilizes a laser diode with the unit turned "on", invisible laser radiation is emitted from the pickup lens.
Wave length: 795 nm/658 nm
Maximum output radiation power from pickup: 100 μ W/VDE
Laser radiation from the pickup lens is safety level,but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

**ACHTUNG:**

Dieses Produkt enthält eine Laserdiode.
Im eingeschalteten Zustand wird unsichtbare Leserstrahlung von der Laserinheit adgestrahit.
Wellenlänge: 795 nm/658 nm
Maximale Strahlungsleistung der Lasereinheit: 100 μ W/VDE
Die Strahlungan der Lasereinheit ungefährlich, wenn folgende Punkte beachtet werden:

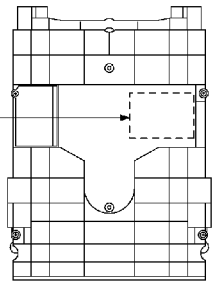
1. Die Lasereinheit nicht zerlegen, da die Strahlung an der freigelegten Laserdiode gefährlich ist.
2. Den werkseitig justierten Einstellregler der Lasereinhit nicht verstellen.
3. Nicht mit optischen Instrumenten in die Fokussierlines blicken.
4. Nicht über längere Zeit in die Fokussierlines blicken.



LUOKAN 1 LASERLAITE
KLASS 1 LASER APPARAT

CLASS 1
LASER PRODUCT

DANGER - VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM. (FDA 21 CFR)
CAUTION - VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM. (IEC60825-1)
ATTENTION - RAYONNEMENT LASER VISIBLE ET INVISIBLE EN CAS D'OUVERTURE EXPOSITION DANGEREUSE AU FAISCEAU.
ADVARSEL - SYNLIG OG USYNLIG LASERSTRÅLING VED ÅBNING. UNDGÅ UDSÆTTELSE FOR STRÅLING.
VARO! - AVATTAESSA OLET ALTIINA NÄKYVÄÄ JA NÄKYMÄTÖN LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VARNING - SYNLIG OCH OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN.
ADVARSEL - SYNLIG OG USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES. UNNGÅ EKSPONERING FOR STRÅLEN.
VORSICHT - SICHTBARE UND UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT DEN STRAHL AUSSETZEN.
注意 - 打开时有可见及不可见激光辐射。避免激光束照射。
注意 - ここを開くと可視及び不可視のレーザー光が出ます。ビームを直接見たり、触れたりしないでください。
RQLS0233



CAUTION!
THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

# 4. Handling the Lead-free Solder

## 4.1. About lead free solder (PbF)

**Distinction of PbF P.C.B.:**
**P.C.B.s (manufactured) using lead free solder will have a PbF stamp on the P.C.B.**

**Caution:**

**- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a high temperature soldering iron. In case of the soldering iron with temperature control,please set it to 700 ± 20°F (370 ± 10°C).**
**- Pb free solder will tend to splash when heated too high (about 1100°F/600°C).**
**- When soldering or unsoldering, please completely remove all of the solder on the pins or solder area, and be sure to heat the soldering points with the Pb free solder until it melts enough.**

# 5. Each Buttons

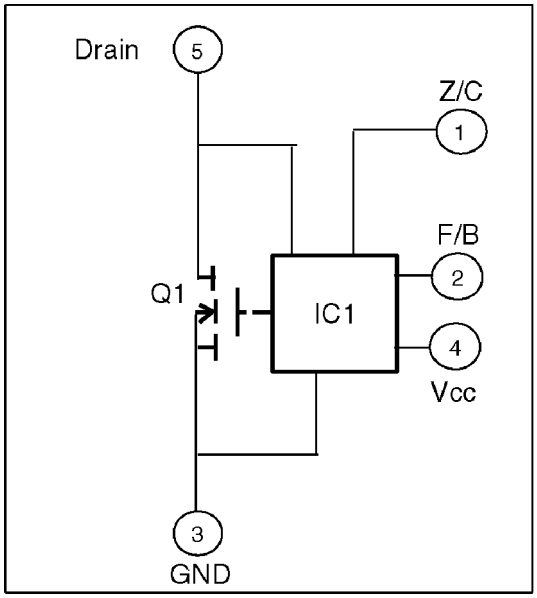
# 6. New Features

## 6.1. Function of Power Circuit (IC11150)

**1. General**

**We adopted IC module as the Switching Power Circuit for lower power consumption.**
**IC11150 is constructed with Switching materials and Control IC, and is partial resonance module.**
**We realized Switching Power with high efficiency, low noise and low power consumption.**

**2. Equivalence Circuit to IC11150**




| Pin No. | Symbol | Description |
|---|---|---|
| 1 | Z/C | Trigger input terminal.<br>Zero detection voltage: 0.25V<br>It becomes less than 3V, the mode turns to standby. |
| 2 | F/B | Bias current feedback input terminal.<br>● Switching ON time (min.) ~ (max.)<br>1.5V ~ 4.5V / 0 μ sec. ~ 25 μ sec.<br>● In standby mode<br>Oscillation stops:less than 0.8V<br>Oscillation starts: over 1.8V |
| 3 | GND | GND terminal |
| 4 | Vcc | Power terminal of IC.<br>Oscillation starting voltage: Vcc = and over 14.5V<br>Oscillation stop voltage: Vcc = and less than 9.6V<br>Over voltage latching voltage: Vcc = 20V |

| Pin No. | Symbol | Description |
|---|---|---|
| 5 | Drain | Drain terminal for Main switching material. |

**3. Startup Circuit**

**When power is turned on, input voltage of the Switching Transformer is supplied to IC11150 as the startup power.**

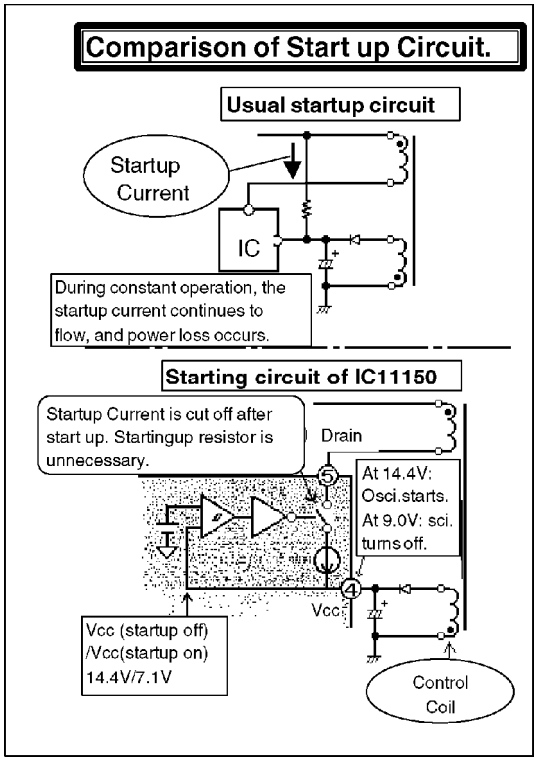
**After IC11150 has started, the startup current is cut off.**

**The current of Startup Circuit is supplied as constant current source in IC11150 and as charge current for the capacitor connected between Vcc terminal and GND out side of IC11150 until Vcc reaches 14.4V.**

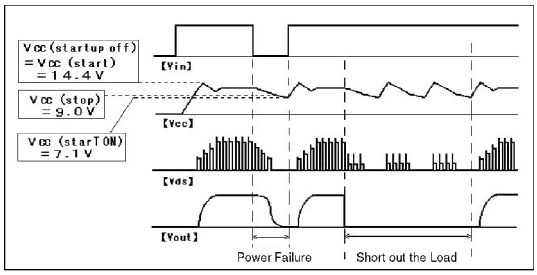
**When Vcc reaches 14.4V, the Startup Circuit is cut off, then oscillation starts.**

**After then, power of IC11150 is supplied from control coil.**

**In case, the power failure or short out of the load, when Vcc becomes 9.0V; the oscillation stops, furthermore Vcc becomes 7.1V the Startup Circuit starts up and Vcc starts to rise.**


Comparison of Start up Circuit.
Usual startup circuit
Startup Current
IC
During constant operation, the startup current continues to flow, and power loss occurs.
Starting circuit of IC11150
Startup Current is cut off after start up. Startingup resistor is unnecessary.
Drain
5
At 14.4V: Osci.starts. At 9.0V: sci. turns off.
4
Vcc
Vcc (startup off) /Vcc(startup on) 14.4V/7.1V
Control Coil

**Startup Circuit Timing Chart**



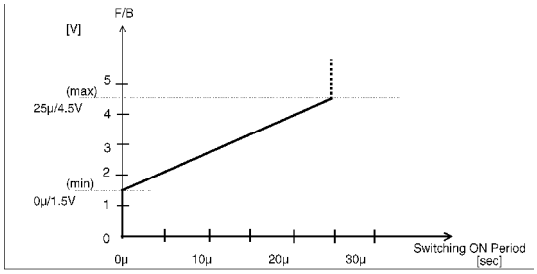

**Function of Z/C Terminal**

**When voltage of Z/C reaches 0.25V, Gate signal is output and Drain current starts to flow.**

**Function of F/B terminal**

**F/B signal decides Switching ON width in low voltage controlling.**

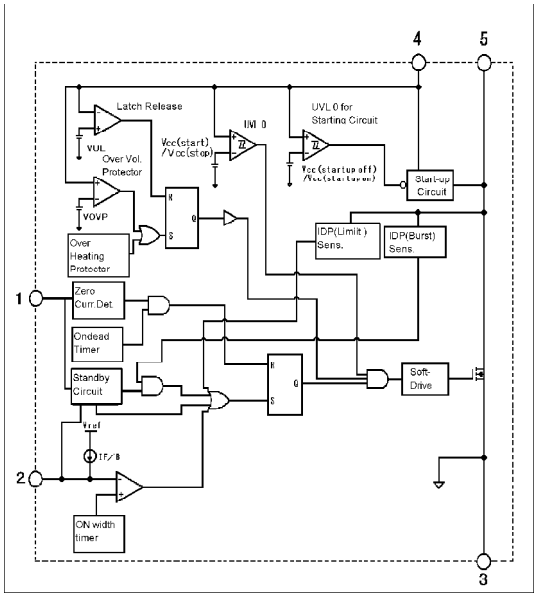
**The Switching ON width responds to change of F/B Voltage.**




**Standby Function**

**When Z/C Voltage becomes less than 3V, the unit changes to Standby mode.**

**IC11150 Block Diagram**



**Signal name**

| Pin No. | Name | Symbol |
|---|---|---|
| 1 | Zero Current Det. | Z/C |
| 2 | Feed back | F/B |
| 3 | GND | GND |
| 4 | Vcc | Vcc |
| 5 | Drain | Drain |

# 7. (DVD) Taking out the Disc from RAM-Drive Unit when the Disc cannot be ejected by OPEN/CLOSE button

## 7.1. (DVD) Forcible Disc Eject

### 7.1.1. (DVD) When the power can be turned off.

1. Turn off the power and press [(DVD) STOP], [(DVD) CH UP] keys on the front panel simultaneously for 5 seconds.

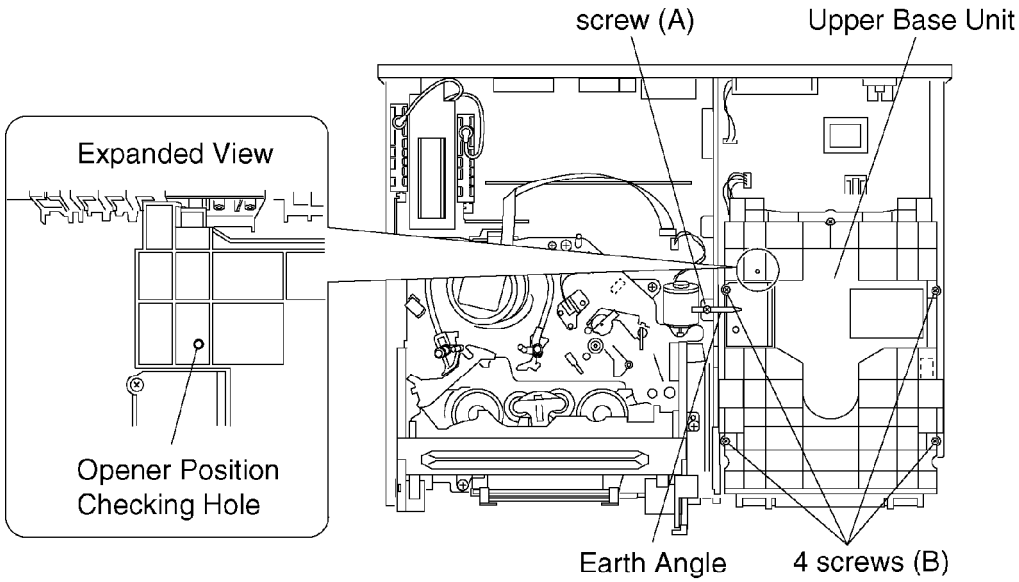
### 7.1.2. (DVD) When the power can not be turned off.

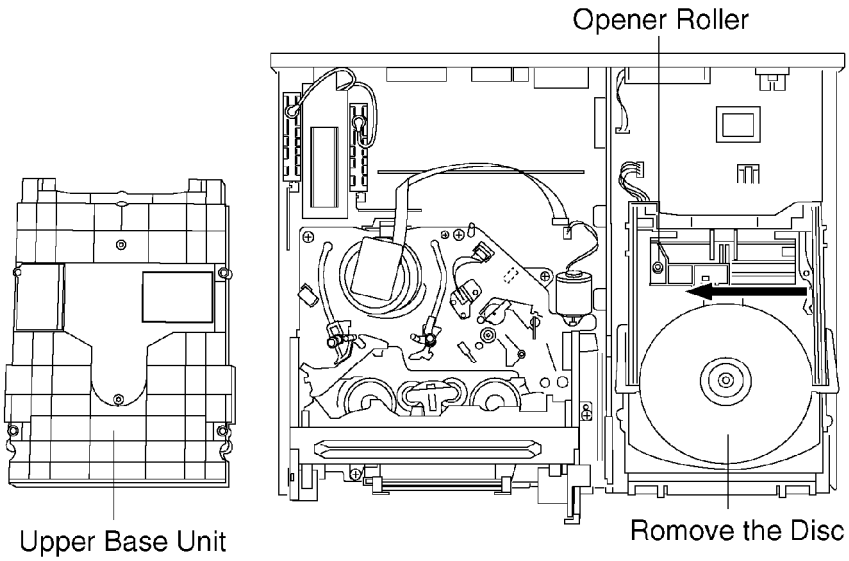
1. Press [POWER] key on the front panel for over 10 seconds to turn off the power forcibly, and press [(DVD) STOP] [(DVD) CH UP] keys on the front panel simultaneously for 5 seconds.

## 7.2. (DVD) When the Forcible Disc Eject can not be done.

1. Turn off the power and pull out AC cord.
2. Remove the Top Case.
3. Remove the Front Panel.
4. Remove screw (A) and Earth Angle.
5. Remove 4 screws (B) and Upper Base Unit from DVD-RAM Drive.
6. Take out the disc and put the Opener Roller on fully position for direction of Arrow.
7. Put the Upper Base Unit so that the Opener Roller is inserted into the groove.
8. Check center of Opener Roller is seen through the Opener

**position Checking Hole, and tighten 4 screws (B).**




# 8. (VHS) Removing Cassette Tape manually

**When the cassette tape could not be uninstalled from an electrical malfunction, there are 2 ways to remove a cassette tape.**

## 8.1. (VHS) Removal by compulsory unloading.

**If Service Mode can be activated when the power can not be turned on, this operation is able.**

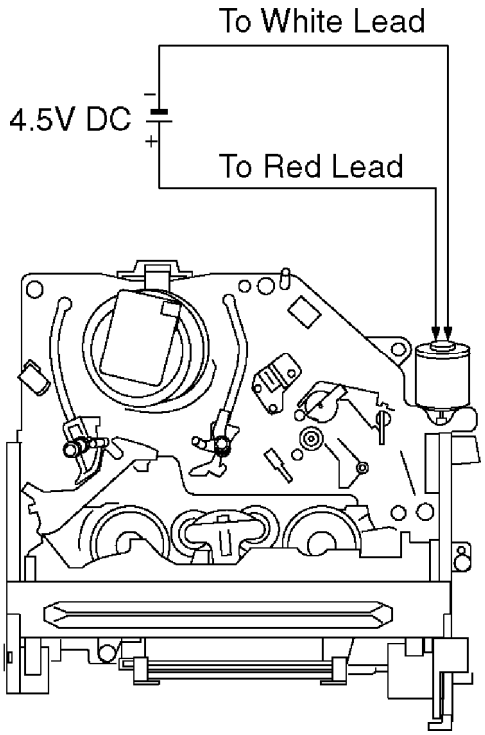
1. **Press [FF] and [EJECT] button simultaneously for more than 3 seconds and set the Service Mode to 7.**
2. **Press [STOP] button in order to unload the mechanism. (Pay attention to tape slack)**
   **Service Mode Display:**

**7 ** ** (STOP) → 7 0L ** (EJECT)**

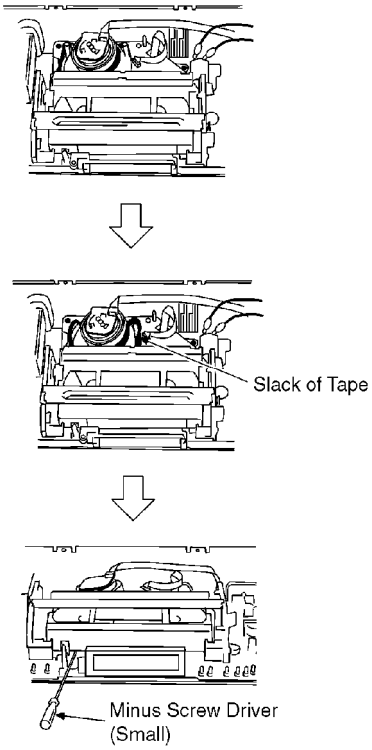
## 8.2. (VHS) Removal by manual operation by rotating the Loading Motor with the batteries.

1. **Disconnect the AC plug, and remove the Top Panel and the Front Panel by referring to the Disassembly Procedures.**
2. **Connect three batteries (1.5V spec.) to the Loading Motor in series for supplying 4.5V to rotate the Loading Motor as shown below.**

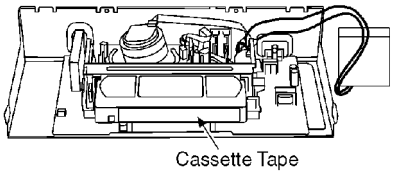
**CONNECTION for UNLOADING**




3. **Stop unloading just before unloading will be completed as shown below, and then the tape becomes slack as shown below.**
4. **Rotate the S-Reel by a small minus screwdriver to remove the slack tape as shown below.**



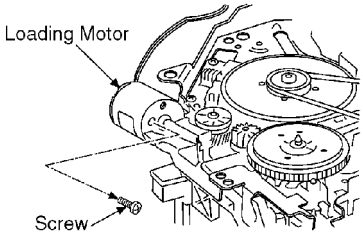

**5. Then unload again to remove the cassette tape as shown below.**



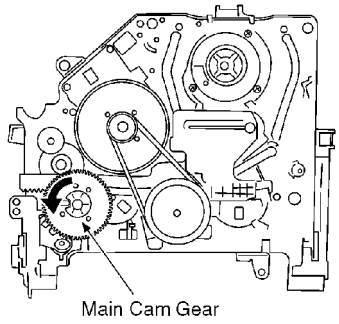

## 8.3. (VHS) Take out Cassette Tape manually after removing the mechanism

**1. Disconnect the AC plug, and remove the Top Panel, Front Panel and the Mechanism by referring to "12 Assembling and Disassembling"**

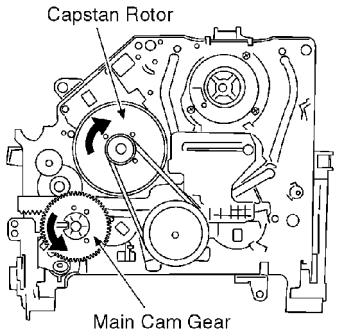
**2. Remove the Screw and remove the Loading Motor as shown below.**



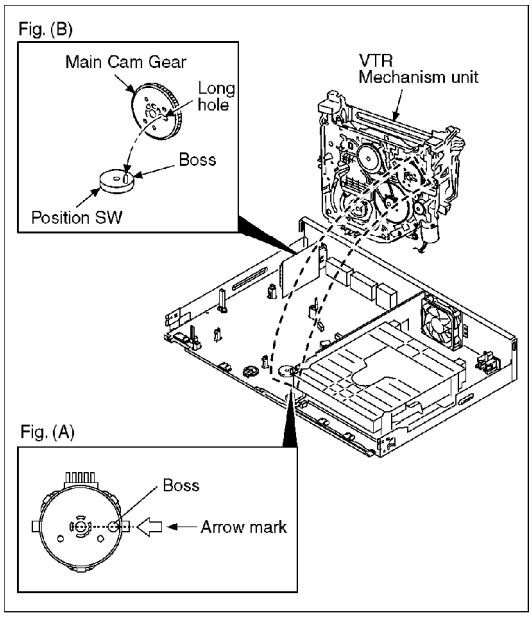

**3. Rotate the Main Cam Gear counter-clockwise until just before the unloading will be completed as shown below. .**




4. **Rotate the Capstan Motor clockwise to remove the slack tape as shown below.**
5. **Rotate the Main Cam Gear counter-clockwise again to remove the cassette-tape as shown below.**




6. **Attach Loading Motor and tighten the screw.**
7. **Set the Position Switch to EJECT POSITION certainly and attach the mechanism to chassis as shown below.**




# 9. (DVD) Service Explorer

**Confirm "RAM-Drive Last Error" in Service Mode**

**Execute Service Mode**

**1. When the power is off, press [VHS to DVD DUBBING], [OPEN/ CLOSE] and [DVD STOP keys simultaneously for 5 seconds. FL Display:**

SERV

***After finishing display "(7). Factor of Drive Error occurring", press [0] [2] ~[9] [9] keys of the Remote Controller so that 99 memories can be displayed as maximum.**

**2. Press [4] [2] keys of remote controller.**

**Example of FL Display:**

**(1) Error Number is displayed for 5 seconds.**

NO 01

**(2) Time when the error has occurred is displayed for 5 seconds.**

402161915

The error has occurred at 2004(year)/Feb.(month)/16(day)/19(hour):15(minute):26(second)

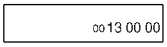
**(3) Last Drive Error (1/2) is displayed for 5 seconds.**

031000

Error Senae Key
- 00: Bad disc
- 03: Bad disc
- 04: Bad disc or RAM-Drive malfunction

When above error codes are displayed, confirm operation with Panasonic RAM disc or Panasonic DVD-R disc.
*If the operation is OK, judge the error is due to media.
*If the operation is NG and symptom as BLOCK NOISES and so on that are particular symptom of Digital appears, judge the error is due to RAM-Drive or Digital PCB.

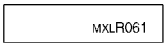
**(4) Last Drive Error (2/2) is displayed for 5 seconds.**




*This error code is unnecessary for service.

**(5) Error occurring Disc type is displayed for 5 seconds.**

**(6) Disc Maker's ID is displayed for 5 seconds.**



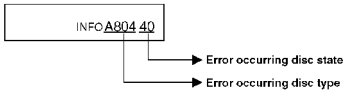

**Example of Disc Maker's ID:**
**DVD-R Disc**

| No. | FL Display (Disc Maker's ID) | Disc Maker | Country |
|---|---|---|---|
| 1 | MEI | Panasonic | Japan |
| 2 | PVC | Pioneer | Japan |
| 3 | MCC | Mitsubishi Chemical Corporation | Japan |
| 4 | TDK | TDK | Japan |
| 5 | MXL | Maxell | Japan |
| 6 | MCI | MITUI CHEMICALS | Japan |
| 7 | JVC | Victor JVC | Japan |
| 8 | TAIYOYUDEN | Taiyo yuden | Japan |
| | TYG | | |
| 9 | GSC | Giga Storage | Taiwan |
| 10 | PRODISC | Prodisc | Taiwan |
| 11 | PRINCO | PRINCO | Taiwan |
| 12 | RITEK | RITEK | Taiwan |
| 13 | OPTDISC | OPTDISC | Taiwan |
| 14 | LEAD DATA | LEAD DATA | Taiwan |
| 15 | CMC | CMC | Taiwan |
| 16 | AUVISTAR | AUVISTAR | Taiwan |
| 17 | ACER | Acer | Taiwan |
| 18 | VIVASTAR | VIVASTAR | Switzerland |
| 19 | LGE | LG Electronics | Korea |

**DVD-RAM Disc**

| No. | FL Display (Disc Maker's ID) | Disc Maker | Country |
|---|---|---|---|
| 1 | MEI | Panasonic | |
| 2 | MATSUSHITA | Panasonic | Japan |
| 3 | MXL | Maxell | Japan |
| 4 | PRODISC | Prodisc | Taiwan |
| 5 | OPTDISC | OPTDISC | Taiwan |
| 6 | CMC | CMC | Taiwan |

***Since an display is arbitrarily set up by the disk producer side, the above-mentioned display may be changed.**
**Please make it reference as an example of a display.**
**(7) Factor of Drive Error occurring is left displayed**




**Error Occurring Disc Type**

| FL Display | Disc Type |
|---|---|
| 00 | DVD-ROM/Video |
| 01 | Audio-CD |
| 02 | 2.6GB DVD-RAM |
| 03 | 4.7GB DVD-RAM |
| 04 | DVD-R |

**Error Occurring Disc State**

| FL Displays (Hexadecimal) | Description | | | |
|---|---|---|---|---|
| | Disc distinction state | Cartridge disc state | Cartridge disc state | Disc size |
| 00 | OK | With cartridge | Has not been opened yet. | 12 cm |
| 10 | OK | With cartridge | Has not been opened yet. | 8 cm |
| 20 | OK | With cartridge | Has been opened. | 12 cm |
| 30 | OK | With cartridge | Has been opened. | 8 cm |
| 40 | OK | Bare | Has not been opened yet. | 12 cm |
| 50 | OK | Bare | Has not been opened yet. | 8 cm |
| 60 | OK | Bare | Has been opened. | 12 cm |
| 70 | OK | Bare | Has been opened. | 8 cm |
| 80 | NG | With cartridge | Has not been opened yet. | 12 cm |
| 90 | NG | With cartridge | Has not been opened yet. | 8 cm |
| A0 | NG | With cartridge | Has been opened. | 12 cm |
| B0 | NG | With cartridge | Has been opened. | 8 cm |
| C0 | NG | Bare | Has not been opened yet. | 12 cm |
| D0 | NG | Bare | Has not been opened yet. | 8 cm |
| E0 | NG | Bare | Has been opened. | 12 cm |
| F0 | NG | Bare | Has been opened. | 8 cm |

# 10. (DVD) Self-Diagnosis and Special Mode Setting

## 10.1. (DVD) Self-Diagnosis Functions

**Self-Diagnosis Function provides information for errors to service personnel by “Self-Diagnosis Display” when any error has occurred.**
**U59, H** and F** are stored in memory and held.**

**Display on FL will be cancelled when the power is turned off or AC input is turned off during self-diagnosis display is ON.**

| Error Code | Diagnosis contents | Description | Monitor Display | FL disp |
|---|---|---|---|---|
| U12 | Remote control code error | Display appears when main unit and remote controller codes are not matched. | No display | *CHK<br>"*" is remote c<br>code of the ma<br>Display for 5 se |
| U59 | Abnormal inner temperature detected | Display appears when the drive temperature exceeds 70°C.<br>The power is turned off forcibly.<br>For 30 minutes after this, all key entries are disabled. (Fan motor operates at the highest speedfor the first 5 minutes. For the remaining 25 minutes, fan motor is also stopped.) The event is saved in memory as well. | No display | U<br>"U59" is displa<br>minutes. |
| U99 | Hang-up | Displayed when communication error has occurred between Main microprocessor and Timer microprocessor. | No display | U<br>Displayed is le<br>[POWER] key i |
| H19 | Inoperative fan motor | Display appears when inoperative fan motor is detected after powered on.<br>The power is turned off when detecting. | No display | H<br>Displayed is le |
| F00 | No error information | Initial setting for error code in memory<br>(Error code Initialization is possible with error code initialization and main unit initialization.) | No display | F<br>Displayed is le |
| F58 | Drive hardware error | Display appears when drive unit error is detected. The event is saved in memory. | No display | F<br>Displayed is le |

| Error Code | Diagnosis contents | Description | Monitor Display | FL disp |
|---|---|---|---|---|
| F34 | Initialization error when main microprocessor is started up for program recording | Display appears when initialization error is detected after starting up main microprocessor for program recording. The event is saved in memory.<br>The power is turned off when detecting. | No display | F<br>Displayed is lef |
| UNSUPPORT | Unsupported disc error | *An unsupported format disc was played, although the drive starts normally.<br>*The data format is not supported, although the media type is supported.<br>*Exceptionally incase of the disc is dirty. | “This disc is incompatible.” | UN<br>Display for 5 se |
| NO READ | Disc read error | *A disc is flawed or dirty.<br>*A poor quality failed to start.<br>*The track information could not be read. | “Cannot read. Please check the disc.” | I |
| HARD ERR | Drive error | The drive detected a hard error. | “DVD drive error.” | Display for 5 se |
| SELF CHECK | Restoration operation | Since the power cord fell out during a power failure or operation, it is under restoration operation.<br>*It will OK, if a display disappears automatically. If a display does not disappear, thereis the possibility that defective Digital P.C.B. / RAM drive. | No display | SI |
| Full Program | 16 programs are already set. | 16 programs are already set. | No display | PROG |

## 10.2. (DVD) Special Modes Setting

| Item | | FL display | Key opera |
|---|---|---|---|
| Mode name | Description | | Front K |
| TEST Mode | *All the main unit's parameters (include tuner) are initialized. | A1 TEST | Press [VHS to D DUBBING], [DVD DUBBING] and [ CLOSE] keys simultaneously seconds when p off. |
| Service Mode | Setting every kind of modes for servicing.<br>*Details are described in “10.3. (DVD) Service Mode ”. | SERV | When the power press [VHS to D DUBBING], [(DV and [OPEN/CLO simultaneously seconds. |
| Rating password | The audiovisual level setting password is initialized to “Level 8”. | INIT | While the tray is press [SKIP (RE [SKIP (FWD)] simultaneously seconds. |
| Forced disc eject | Removing a disc that cannot be ejected.<br>The tray will open and unit will shift to P-off mode.<br>*When Timer REC is ON or EXT-LINK is ON, execute "Forced disc eject" after releasing TimerREC or EXT-LINK.<br>*This command is not effective during “Child lock” is ON. | The display before execution leaves.<br>********* | When the power press [(DVD) ST [(DVD) CH UP] k simultaneously seconds. |
| Child lock/unlock | Set or release "Child Lock". | X HOLD | Press [ENTER] a [RETURN] by re controller simult until [X-HOLD] is displayed. |
| NTSC/PAL system select | To switch PAL/ NTSC alternately. | The display before execution leaves.<br>********* | When the power mode), press [D and [OPEN/CLO simultaneously seconds. |

| Item | | FL display | Key opera |
|---|---|---|---|
| Mode name | Description | | Front K |
| Forced power-off | When the power button is not effective while power is ON, turn off the power forcibly.*When Timer REC is ON, execute “Forced Power-off” after releasing Timer REC or EXT-LINK.<br><br>Action:<br>Thetray will open, and the power will turn off. | Display in P-off mode. | Press [Power] k than 10 seconds |
| Aging | Perform sequence of modes as * Aging Description shown below continually. | Display following the then mode. | When the power press [(DVD) CH [VHS to DVD DU and [OPEN / CL simultaneously five seconds an than 10 seconds *The [REC MOD be set to EPor L *When the unit h up because of p keys for over 10 once turn off the and re-execute t command. “When releasing mode, press [PC |

| Item | | FL display | Key opera |
|---|---|---|---|
| Mode name | Description | | Front K |
| Demonstration lock/unlock | Ejection of the disc is prohibited. The lock setting is effective until unlocking the tray and not released by “Main unit initialization” of service mode. | *When lock the tray.<br>LOCK<br>“LOCK” is displayed for 3 seconds. | When the power press [(DVD) ST [POWER] keys simultaneously seconds. |
| | | *When unlock the tray.<br>UNLOCK<br>“UNLOCK” is displayed for 3 seconds. | When the power press [(DVD) ST [POWER] keys simultaneously seconds. |
| | | *When pressing OPEN/ CLOSE key while the tray is locked.<br>LOCK<br>Display “LOCK” for 3 seconds. | Press [OPEN/CL while the tray is |
| ATP re-execution | Re-execute ATP. | Display at ATP executing<br>********* | When the power mode), press [(D UP] and [(DVD) DOWN] simultar for five seconds |
| Progressive initialization | The progressive setting is initialized to Interlace. | The display before execution leaves.<br>********* | When the power mode), press [(D STOP] and [VHS DUBBING] simu for five seconds |

**Aging Contents (Example):**

Format→REC→Play→STOP→Play→Skip(R)→Cue
↑ ↓
Stop←Play←R-Slow←Slow←Pause←Play←Rev
*The unit repeats above sequence.

## 10.3. (DVD) Service Modes

**Service mode setting: While the power is off, press [VHS to DVD DUBBING], [OPEN/CLOSE] and [(DVD) STOP] keys simultaneously for five seconds.**

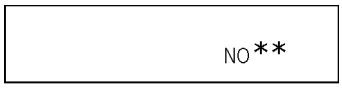
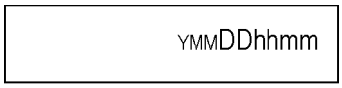
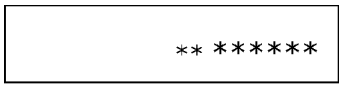
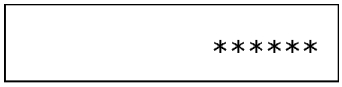
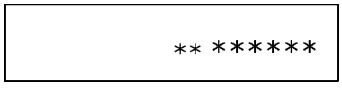
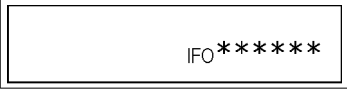
| Item | | FL display | Key opera |
|---|---|---|---|
| Mode name | Description | | (Remote contr |
| Release Items | Item of Service Mode executing is cancelled. | SERV | Press [0] [0] or [ service mode. |
| Error Code Display | Last Error Code of U59/H/F held by Timer is displayed on FL. *Details are described in “11.1. (DVD) Self-Diagnosis Functions”. | ♣□□<br>*♣ shows U/H/F.<br>□□ shows number. | Press [0] [1] in s mode |

| Item | | FL display | Key opera |
|---|---|---|---|
| Mode name | Description | | (Remote contr |
| ROM Version Display | (01)Region code,<br>(02)MAIN firm version,<br>(03)TIMER firm version,<br>(04)DRIVE firmware version,<br>(05)ROM collection version,<br>(06)VHS microprocessor version are displayed on FL for fiveseconds per each version in order, but<br>(07)VHS ROM collection version will be left displayed. | (01)Region code<br>01 No*<br>(02)MAIN firm version<br>02 ******<br>(03)TIMERfirm version<br>03 ******<br>(04)DRIVE firmware version<br>04 *****<br>(05)ROM collection version +ROM Type<br>05 ***<br>(06)VHS microprocessor version<br>06 ****<br>(07)VHS ROM collection version<br>07 **<br>* are version displays.<br>Descriptions for Version Display of Main Microprocessor are shown below. | Press [0] [2] in s mode |

<table>
<tr><th colspan="2">Item</th><th>FL display</th><th>Key opera</th></tr>
<tr><th>Mode name</th><th>Description</th><th></th><th>(Remote contr</th></tr>
<tr><td>Version Display of <u>Main Microprocessor</u></td><td colspan="3">Example of FL Display<br>0100SK<br>Version<br>OEM Code<br>0: Matsushita Electric<br>1: Hitachi<br>2: Samsung<br>3: DENON<br>Destination Code and Model Code<br>For Japan<br>SK: DMR-E55<br>SL: DMR-E85H<br>SR: DMR-E95H<br>SS: DMR-E300H<br>SU: DMR-E500H<br>SQ: DMR-E75V<br>SV: DMR-E150V<br>For North America/Can<br>/Latin America<br>DK: DMR-E55P/PC/PL/F<br>DP: DMR-E65P<br>DL: DMR-E85HP/HPC<br>DR: DMR-E95HP<br>DU: DMR-E500HP/HPC<br>DQ DMR-E75VP<br>For Europe/Asia/<br>EK: DMR-E55EG/EB/EBL/EP/EE/GCS/GN/GK/GC, DMR-E53E<br>EP: DMR-E65EG/EB/EP/EE/GCS/GN/GK/GC<br>EL: DMR-E85HEG/HEB/HEP/HEE/HGCS/HGN<br>ER: DMR-E95HEG/HEB<br>EU: DMR-E500HEG/HEB/HGCS/HGN/HGK<br>EQ: DMR-E75VEG/VEB</td></tr>
<tr><td>Version Display of <u>Timer Microprocessor</u></td><td colspan="3">Example of FL Display<br>0010 DA<br>Version: 0.01<br>Bottom 2 figures of Part Number of Timer Microprocessor: M30</td></tr>
<tr><td>White Picture Output</td><td>White picture is output as component Output from AV Decoder.<br>*White picture<br>(Saturation rate : 100%)<br>*It is enable to switch Interlace/ Progressive by “I/Pswitch: [1] [4]”</td><td>*Initial mode is “Interlace”.<br>WHITE<br>Switch Interlace/ Progressive<br>P WHTIE</td><td>Press [1] [1] in s mode.<br>Press [1] [4] in V Picture Output r *I/P are switched alternately.</td></tr>
<tr><td>Magenta Picture Output</td><td>Magenta picture is output with Component Output from AV Decoder.<br>*Magenta picture<br>(Saturation rate: 100%)<br>*It is enable to switch Interlace/ Progressive by “I/Pswitch: [1] [4]”</td><td>*Initial mode is “Interlace”.<br>MAGE<br>Switch Interlace/ Progressive<br>P MAGE</td><td>Press [1] [2] in s mode.<br>Press [1] [4] in M Picture Output r *I/P are switched alternately.</td></tr>
</table>

| Item | | FL display | Key opera |
|---|---|---|---|
| Mode name | Description | | (Remote contr |
| RTSC Return in XP<br><br>(A & V) | AV1 input signal is encoded (XP), decoded (XP) and output decoded signal to external without DISC recording and DISC playback. | Initial mode: EE2/ Interlace/ XP/ Audio 48kHz<br><br>48 EE2 XP | Press [1] [3] in s mode. |
| | | Switch Interlace/ Progressive<br><br>48P EE2 XP | Press [1] [4] in F Return XP mode *I/P are switched alternately. |
| | | Audio 44.1 kHz/ 48 kHz Switch<br><br>44 EE2 XP | Press [2] [4] in F Return XP mode *48 kHz / 44.1 kH switched alterna |
| I/P Switch | Switch Interlace and Progressive in EE mode.<br>*Initial setting is "Interlace".<br>*This command is effective during executing "White Picture Output", "MagentaPicture Output" and "RTSC Return in XP (A & V)" modes. | Initial mode is Interlace<br><br>14 SERV<br><br>Switch Interlace/ Progressive<br><br>14P SERV | Press [1] [4] in I/ mode. *I/P are switched alternately. |
| Audio Mute (XTMUTE) | Check whether mute is applied normally by the timer microprocessor. | T-MUTE | Press [2] [1] in s mode. |
| Audio Mute (XDMUTE) | Check whether mute is applied normally by the Digital P.C.B. (GLUE IC). | D-MUTE | Press [2] [2] in s mode. |
| Audio Pattern Output | The audio pattern stored in the internal memory is output<br>(Lch: 1kHz/-18dB)<br>(Rch: 400Hz/-18dB)<br>*Audio sound clock switching operation of DAC can beconfirmed by sub command [2] [4]. | Initial mode (Audio 48kHz)<br><br>48 AUDIO | Press [2] [3] in s mode. |
| | | Audio 44.1kHz/48kHz switching<br><br>44 AUDIO | Press [2] [4] in A Pattern Output r *48 kHz / 44.1 kH switched alterna |
| Laser Used Time Indiction | Check laser used time (hours) of drive. | ERR *****<br><br>● (*****) is the used time display in hour.<br>● Laser used time ofDVD/ CD in Playback/Recording mode is counted. | Press [4] [1] in s mode. |

| Item | | FL display | Key opera |
|---|---|---|---|
| Mode name | Description | | (Remote contr |
| Delete the Laser Used Time | Laser used time stored in the memory of the unit is deleted. | CLRLASER | Press [9] [5] in s mode. |

| Item | | FL display | Key opera |
|---|---|---|---|
| Mode name | Description | | (Remote contr |
| RAM Drive Last Error | RAM Drive error code display.<br>*For details about the drive error code, refer to the Service Manual for the specific RAM Drive.<br>*Details are described in “9. (DVD)Service Explorer ”. | 1. Error Number is displayed for 5 seconds.<br>  <br>2. Time when the error has occurred is displayed for 5 seconds.<br>  <br>Y: Year<br>MM: Month<br>DD: Day<br>hh: Hour<br>mm: Minute<br>3. Last Drive Error (1/2) is displayed for 5 seconds.<br> <br>4. Last Drive Error (2/2) is displayed for 5 seconds.<br>  <br>5. Error occurring Disc type is displayed for 5 seconds.<br>  <br>6. Disc Maker ID is displayed for 5 seconds.<br>  <br>7. Factor of Drive Error occurring is left displayed<br>  | Press [4] [2] in s mode.<br>Then press [0] [ the past 99 erro displayed.<br><br>Incase that the s cannot be identi display is black |

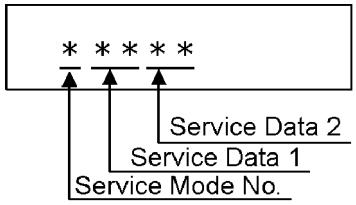
| Item | | FL display | Key opera |
|---|---|---|---|
| Mode name | Description | | (Remote contr |
| Delete the Last Drive Error | Delete the Last Drive Error information stored on the DVD RAM-Drive. | CLRDRIVE | Press [9] [6] in s mode. |
| Turn on all FL/ LEDs | All segments of FL and all LEDs are turned on. | All segments are turned on. | Press [5] [1] in s mode. |
| PB HIGH Signal Output | 8 pin of AV 1 Jack (PB HIGH terminal) is High (approx. 11V DC). | P 8HIGH | Press [5] [2] in s mode. |
| PB MIDDLE Signal Output | 8 pin of AV 1 Jack (PB HIGH terminal) is Middle (approx. 5.5V DC). | P 8MIDDLE | Press [5] [3] in s mode. |
| Front connection inspection | Press all front keys and check the connection between Main P.C.B. and Front P.C.B. | 0r ** 0r **<br>(1) (2) (1) (2)<br>(1) Each time a key is pressed, segment turned on increases one by one.<br>(2) Total umber of keys that have been pressed. | Press [5] [4] in s mode. |
| Production Date Display | Display the date when the unit was produced. | YYYYMMDD<br>YYY: Year<br>MM: Month<br>DD: Day | Press [6] [1] in s mode. |

| Item | | FL display | Key opera |
|---|---|---|---|
| Mode name | Description | | (Remote contr |
| Display the Error History | Display the Error History stored on the unit. | Display reason of error for 5 seconds.<br>***<br>Display the time when the error has occurred for 5 seconds..<br>DDHHMM<br>DD: Day<br>HH: Hour<br>MM: Minute<br>Display the accumlated working time to occurring of the error for 5 seconds..<br>******<br>(Indicating unit: Second) | Press [6] [5] in s mode.<br>Then press [0] [ the past 19 erro are displayed. |
| Delete the Error History | Delete Error History information stored on the unit. | CLR FTREC | Press [9] [7] in s mode. |
| AV4 (V) / AV1 (RGB) I/O Setting | Set input to AV4(V) and set output to AV1(RGB) for I/O checking | 01 PAL IO | Press [8] [0] in s mode. |
| AV2 (Y/C) / AV1 (V) I/O Setting | Set input to AV2(Y/C) and set output to AV1(V) for I/O checking | 02 PAL IO | Press [8] [1] in s mode. |
| AV2 (V) / AV1 (Y/C) I/O Setting | Set input to AV2(V) and set output to AV1(Y/C) for I/O checking | 03 PAL IO | Press [8] [2] in s mode. |
| AV2 (RGB) / AV1 (V) I/O Setting | Set input to AV2(RGB) and set output to AV1(V) for I/O checking | 04 PAL IO | Press [8] [3] in s mode. |

| Item | | FL display | Key opera |
|---|---|---|---|
| Mode name | Description | | (Remote contr |
| P50 (H) Output | Timer Microprocessor IC7501-22 output High signal for AV1-pin 10 passing through inverter (approx. 0V DC at AV1-pin 10). | P50 HI<br>When OK.<br>P50 HI OK<br>When NG.<br>P50 HI NG | Press [8] [4] in s mode. |
| P50 (L) Output | Timer Microprocessor IC7501-22 output Low signal for AV1-pin 10 passing through inverter (approx. 4.4 V DC at AV1-pin 10). | P50LOW<br>When OK.<br>P50LOW OK<br>When NG.<br>P50LOW NG | Press [8] [5] in s mode. |
| Tray OPEN/ CLOSE Test | The RAM drive tray is opened and closed repeatedly. | *********<br>"*" is number of open/ close cycle times. | Press [9] [1] in s mode<br>*When releasing mode, press the button on Front more than 10 se |
| Error code initialization | Initialization of the last error code held by timer (Write in F00) | CLR E-CODE | Press [9] [8] in s mode. |
| Initialize Service | Last Drive Error, Error history and Error Codes stored on the unit are initialized to factory setting. | CLR SERV | Press [9] [9] in s mode. |
| Finishing service mode | Release Service Mode. | Display in STOP (E-E) mode.<br>*** ****** | Press power but front panel in se mode. |

# 11. (VHS) Self-Diagnosis and Special Mode Setting

## 11.1. (VHS) Special Modes Setting

| Item | | FL display | Key operatio |
|---|---|---|---|
| Mode name | Description | | Front Key |
| Tracking Center | Tape Tracking is adjusted to center FIX position. | No display. | During PLAYBACK, [VHS CH UP] and [V DOWN] keys simultaneously. |
| VHS Service Mode | In order to make service easy, a part of inside information of a microprocessor is displayed on FIP. *Details are described in "11.2. VHS Service Mode" . |  | Press [FF], and [EJE keys simultaneousl three seconds wher is off. |
| Releasing EXT LINK & Timer Program | Releasing Continuation EXT LINK & Continuation Timer Program | No display. | While in EXT LINK o REC mode, press [V STOP] key for 3 sec |
| Eject | Ejecting Cassette Tape | No display. | While in other than LINK and Timer REC press [VHS STOP] k seconds or press [S key of the Remote Controller for 3 sec VHS mode. |

## 11.2. (VHS) Service Modes

1. When power is off, press [FF] and [EJECT] keys simultaneously for 3 seconds, to start up the Service Mode.
2. In service mode, press [FF] and [EJECT] buttons simultaneously to change the Service Mode Number to purposed number from 1 to 7.

| Service Mode Number | Contents | Contents of Indication on minute | Contents of Indication on second | Remarks |
|---|---|---|---|---|
| 0 | Indication for the inner data of IC6001 | VHS mode<br>(Real time) | Process number of the mechanism movement<br>(Real time) | |
| 1 | Indication for the inner data of IC6001 | Tape beginning and ending detection data (Real time) | Key code<br>(Real time) | |
| | | 00: Both tape beginning and ending have not been detected<br>01: Tape ending is detecting now<br>02: Tape beginning is detecting now<br>03: Both tape beginning and ending are detecting now | Indicate the receiving code when the key of VCR or remote controller being operated. | |
| 2 | Indication for the inner data of IC6001 | Mechanism position (Real time) | Ordering for the Motors (Real time) | The following funct<br>are prohibited to op<br>the mechanism wit<br>cassette tape.<br>● Tape beginning<br>ending detection.<br>● Reel lock detect<br>● Tapedetection a<br>position detection<br><br>Press the EJET key<br>over 3 seconds in t<br>mode, and then the<br>shifted into the spe<br>modes, such as PG<br>Adjustment, Model<br>Setting, and so on.<br>The orders for the r<br>are asfollows. |
| | | 0L: EJECT position<br>02: DOWN position<br>03: RREW position<br>04: LOAD position<br>05: REV position<br>06: PLAY position<br>07: POFF position<br>08: STOP_R position<br>09: STOP_F position<br>0- : FF/REW position<br>0_ : Intermediate between each positions | 0*, 2*: CYL off,<br>CAP off<br>1*:CYL off,<br>CAP on (fwd)<br>3*: CYL off,<br>CAPon (rev)<br>8*, A*: CYL on,<br>CAP off<br>9*: CYL on,<br>CAPon (fwd)<br>B*: CYL on,<br>CAP on (rev)<br>*0: Motor off<br>*1:Loading<br>*2: Unloading<br>*3: Break (Load + Unload) | |
| 3 | Self-diagnosis history (1st) | 1st history of error number | "- -" is displayed. | |
| 4 | Self-diagnosis history (2nd) | 2nd history of error number | "- -" is displayed | |
| 5 | Self-diagnosis history (3rd) | 3rd history of error number | "- -" is displayed | |
| 6 | Indication for the inner data of IC6001 | Servo data (4 digits)<br>(Real time) | | |

| Service Mode Number | Contents | Contents of Indication on minute | Contents of Indication on second | Remarks |
|---|---|---|---|---|
| 7 | Manual mechanism operation | Mechanism position (Real time) | Ordering for the Motors | Press the following<br>PLAY key : Loading<br>STOP key : Unload |
| | | 0L: EJECT position<br>02: DOWN position<br>03: RREW position<br>04: LOAD position<br>05: REV position<br>06: PLAY position<br>07: POFF position<br>08: STOP_R position<br>09: STOP_F position<br>0- : FF/REW position<br>0 _: Intermediate between each positions | 0*, 2*: CYL off,<br>CAP off<br>1*:CYL off,<br>CAP on (fwd)<br>3*: CYL off,<br>CAPon (rev)<br>8*, A*: CYL on,<br>CAP off<br>9*: CYL on,<br>CAPon (fwd)<br>B*: CYL on,<br>CAP on (rev)<br>*0: Motor off<br>*1:Loading<br>*2: Unloading<br>*3: Break (Load + Unload) | |

## 11.3. (VHS) Self-Diagnosis Functions

**This model has a self-diagnosis. If the VHS section detects trouble during installation or during use, the power is automatically turned off or become power-save mode and it is memorized into the EEPROM as error code of two-digit number. It'smemorized error code can be displayed in "second" display portion (the last 2 digits of the FIP) by placing the unit is Service Mode Number 2 when turning on Service Information Display as for example "01" or "02" etc as below. If a second error occurs,the most recent error will be memorized and can be displayed in Service Mode Number 2. It can be memorized until 3 self-diagnosis histories in maximum.**
**In order to erase the memorized error code, press FF and EJECT buttons on the Front Panel simultaneously over 5 seconds during turning on Service Information Display mode.**

### 11.3.1. MEMORY OF THE SELF-DIAGNOSIS HISTORY

***This is effective only in Service Mode 3, 4, 5.**

**11.3.1.1. Error Numbers at a glance**

| Memory No. (Error Code) | Reason |
|---|---|
| 01 | The cylinder could not be started. (Error of the cylinder or the cylinder driv |
| 02 | The CAP FG could not be detected. |
| 03 | Mechanism lock during without the unloading and the cassette-up. |
| 04 | Mechanism lock during unloading |
| 05 | S-reel pulse cannot be detected during unloading. (Error of the S-reel circu Capstan circuit) |
| 06 | Mechanism lock during the Cassette-up. |
| 15 | S-reel pulse cannot be detected when a cassette tape is inserted. (Error of the S-reel circuit or the Capstan circuit) |
| 16 | Detection of the Cylinder lock during the constant rotation |
| 17 | Detection of S-reel lock during the constant tape running |
| 18 | Detection of T-reel lock during the constant tape running |
| 2* Refer to following Note | An error while the PG Automatic Adjustment |
| 80 | An exceptional ejection depends on a accidental error |

**Note:**
**2* is as follows.**

| | |
|---|---|
| 20 | NG1 in the PG Shifter Automatic Adjustment (The cylinder rotation is unstable during the automatic adjustment.) |
| 21 | NG2 in the PG Shifter Automatic Adjustment (The vertical sync signal is lacked while over seconds on the alignment tape.) |
| 22 | NG3 in the PG Shifter Automatic Adjustment (The installing position of Heads to the cylind of specification. |
| 23 | NG4 in the PG Shifter Automatic Adjustment (The servo is not locked to the cylinder for m 10 sec.) |

#### 11.3.1.2. Memory for the self-diagnosis history

**3. The self-diagnosis result is memorized the state of the moment of detecting.**
**4. There are the histories from number 1 to number 3.**
**5. The latest error is memorized on history number 1, and then the old histories are shifted to the history number 2 and 3.**
**The error code memorized in the history number 2 and 3 is over-written by shift.**
**4. If the latest error is the same with the history number 1 (2nd-latest), it is not memorized.**
**(The same error code is not memorized in succession)**

#### 11.3.1.3. Clear for the self-diagnosis history

## 1. Press FF and EJECT buttons on the VCR simultaneously over 5 seconds during turning on Service Information Display mode.

#### 11.3.1.4. Indication of the self-diagnosis history.

**The self-diagnosis histories can be indicated on the FIP with Service Mode number 3 to 5.**
**The procedure of service mode setting and indication format are the same as usual.**

FIP INDICATION: 4 0 3 - -

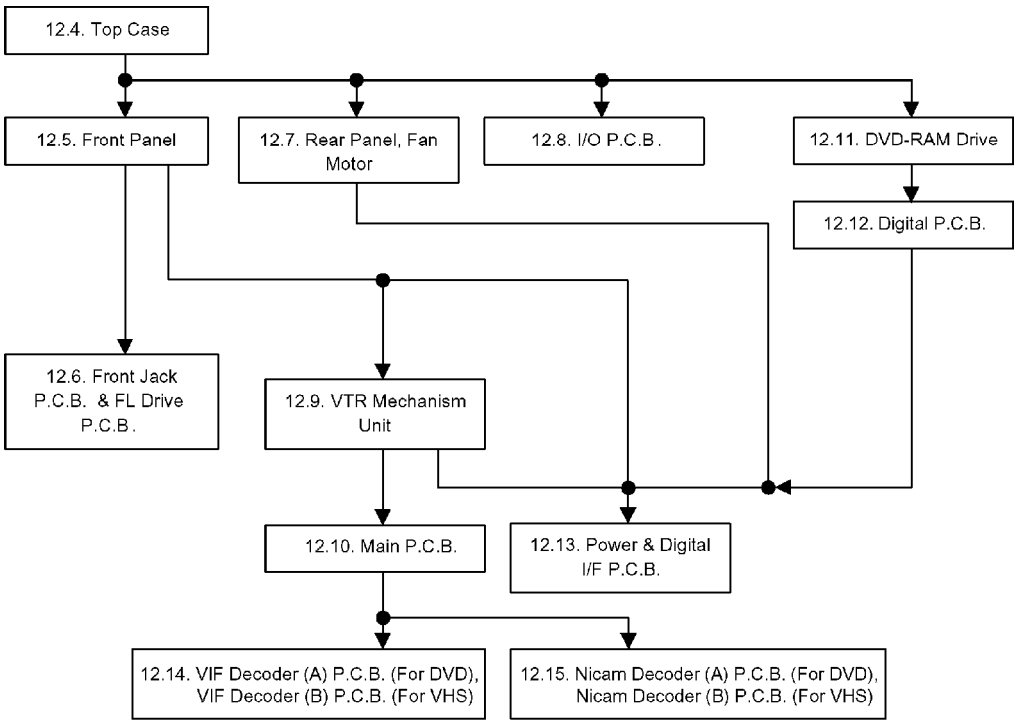
| Hour of one-digit | Minute of two-digit | Minute of one-digit | Second of two-digit | Second of one-digit |
|---|---|---|---|---|
| Service mode number | Error code | | - | - |
| 3 | Error code of history 1 (The latest) | | - | - |
| 4 | Error code of history 2 (2nd latest) | | - | - |
| 5 | Error code of history 3 (3rd latest) | | - | - |

The Error code of history 1, 2 and 3 can be indicated by selecting the Service mode 3, 4 and 5 as shown above.
In case of no error code in the memory, it is indicated as " 00 ".

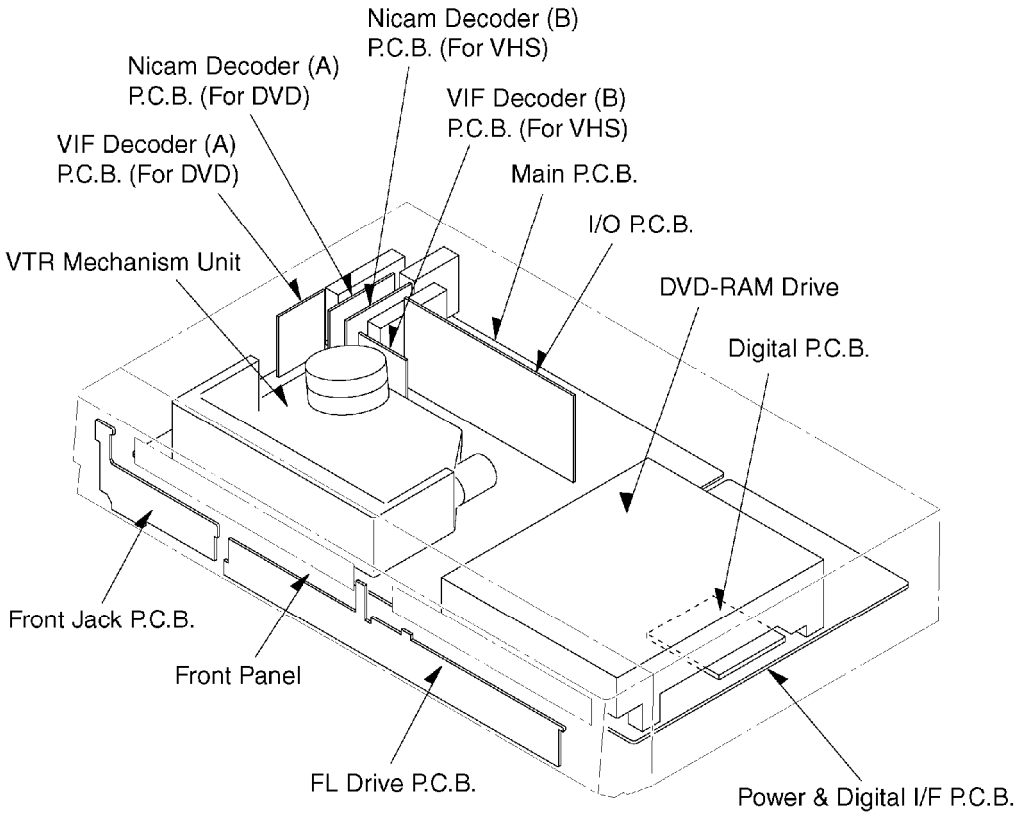
# 12. Assembling and Disassembling

## 12.1. Disassembly Flow Chart

**The following chart is the procedure for disassembling the casing and inside parts for internal inspection when carrying out the servicing.**
**To assemble the unit, reverse the steps shown in the chart below.**


12.4. Top Case
12.5. Front Panel
12.7. Rear Panel, Fan Motor
12.8. I/O P.C.B.
12.11. DVD-RAM Drive
12.12. Digital P.C.B.
12.6. Front Jack P.C.B. & FL Drive P.C.B.
12.9. VTR Mechanism Unit
12.10. Main P.C.B.
12.13. Power & Digital I/F P.C.B.
12.14. VIF Decoder (A) P.C.B. (For DVD), VIF Decoder (B) P.C.B. (For VHS)
12.15. Nicam Decoder (A) P.C.B. (For DVD), Nicam Decoder (B) P.C.B. (For VHS)

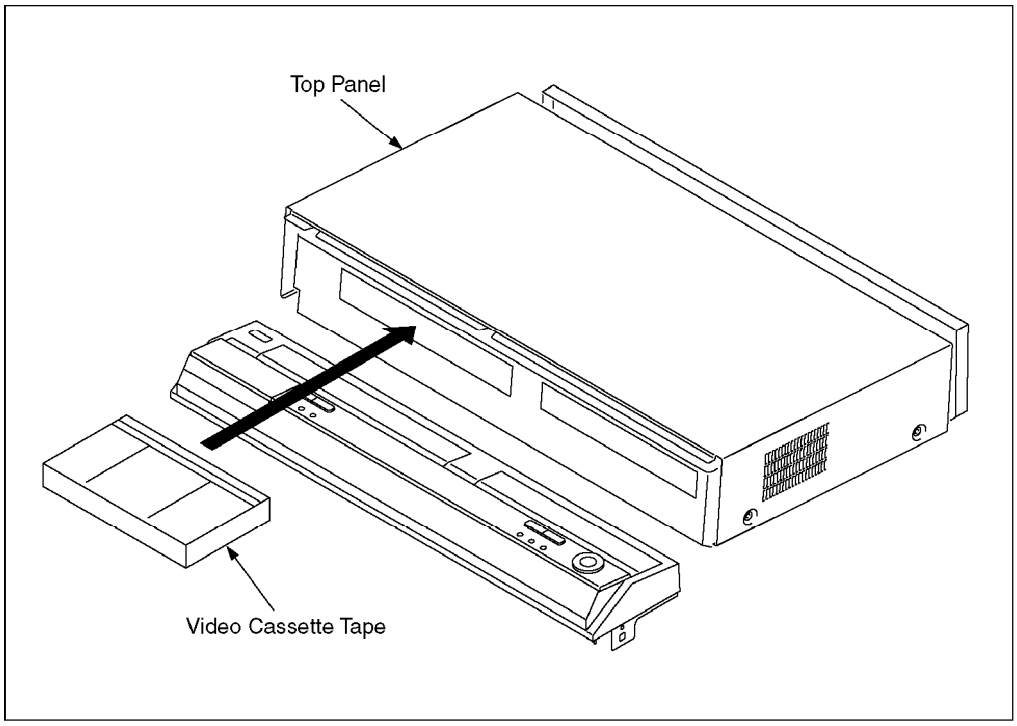
## 12.2. P.C.B. Positions




## 12.3. Cation with inserting cassette tape when disassembling the unit

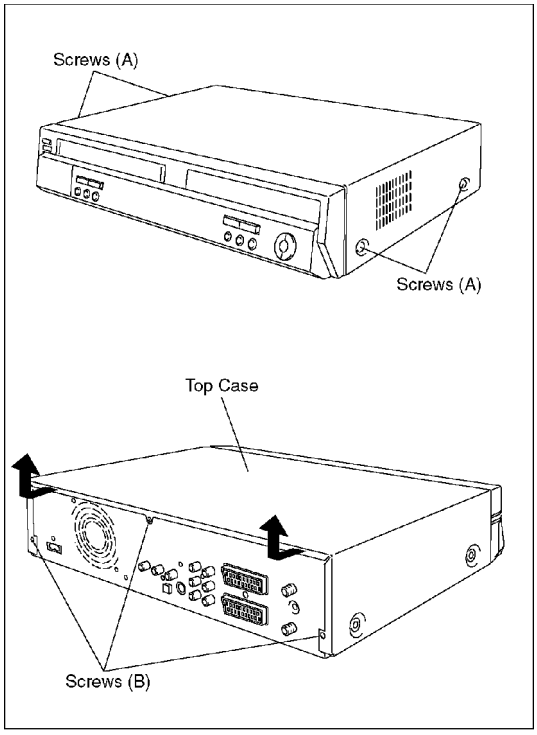
**Note1:**
**For description of the disassembling procedure, see the section 12.**

**Note2:**
**Video Cassette might not enter when a strong lighting is applied to VHS Mechanism when Video Cassette is inserted. Please weaken the lighting or cover with the top panel etc.**



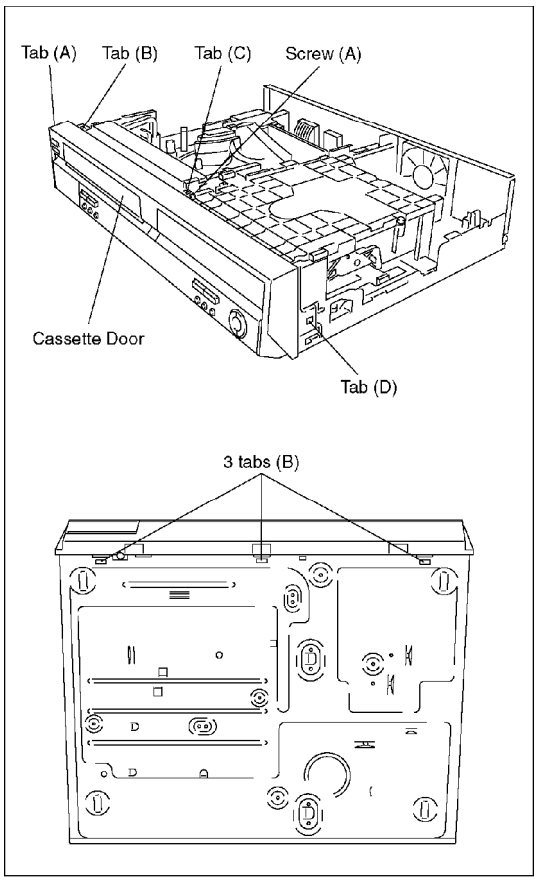

## 12.4. Top Case

1. **Remove the 4 screws (A) and 3 screws (B).**
2. **Slide the Top Case for rear direction slightly, and open the both ends at rear side of the Top Case a little and lift up the Top Case for the direction of the arrows.**

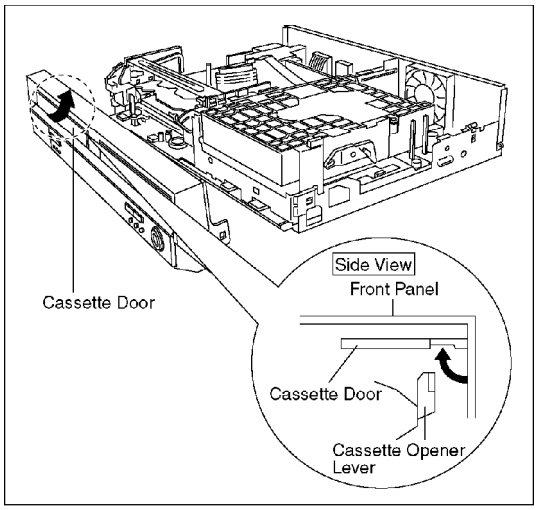


## 12.5. Front Panel

1. Remove one screw (A).
2. Unlock tab (A) and tab (B) simultaneously.
3. Unlock tab (C) and tab (D) simultaneously.
4. Unlock 3 tabs (E) respectively, and pull out Front Panel with connector slightly.

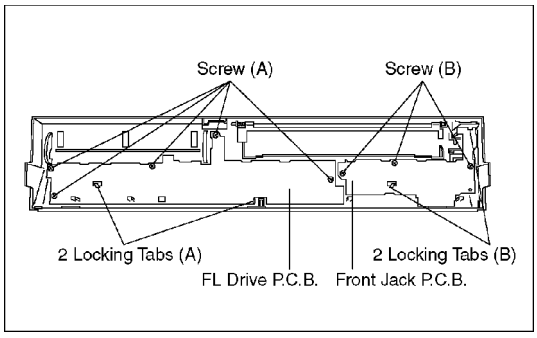



**Note:**
**When attaching Front Panel, in order to hook Cassette Door Opener Lever to Cassette Door, push up cassette door in the direction of arrow and insert a front panel.**



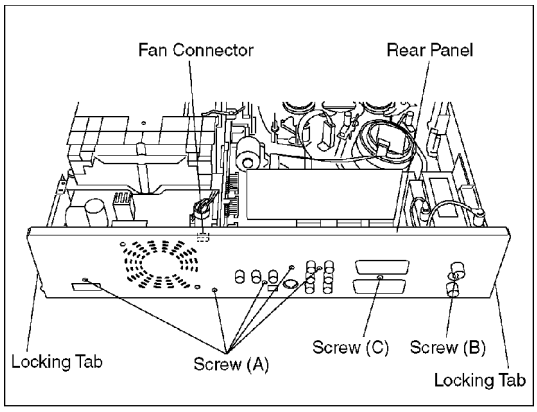

## 12.6. Front Jack P.C.B. & FL Drive P.C.B.

1. Remove one 5 screws (A), and unlock 2 Locking Tabs (A) to remove FL Drive P.C.B.
2. Remove one 3 screws (B), and unlock 2 Locking Tabs (B) to remove Front Jack P.C.B.



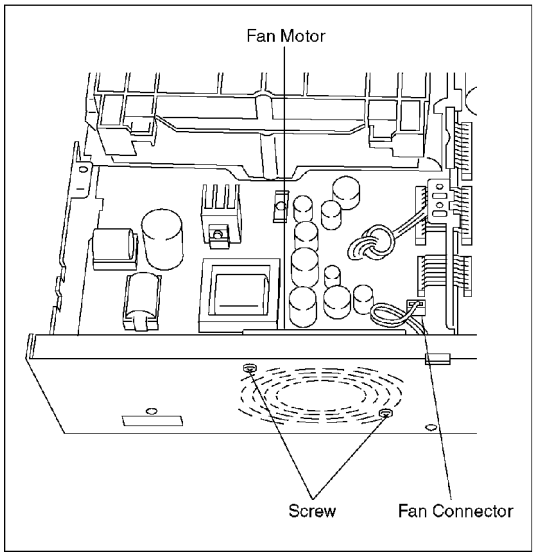

## 12.7. Rear Panel & Fan Motor

1. Remove 5 Screws (A), Screw (B) and Screw (C) Fan Connector.
2. Unlock 2 Locking Tabs to remove Rear Panel with Fan Motor.



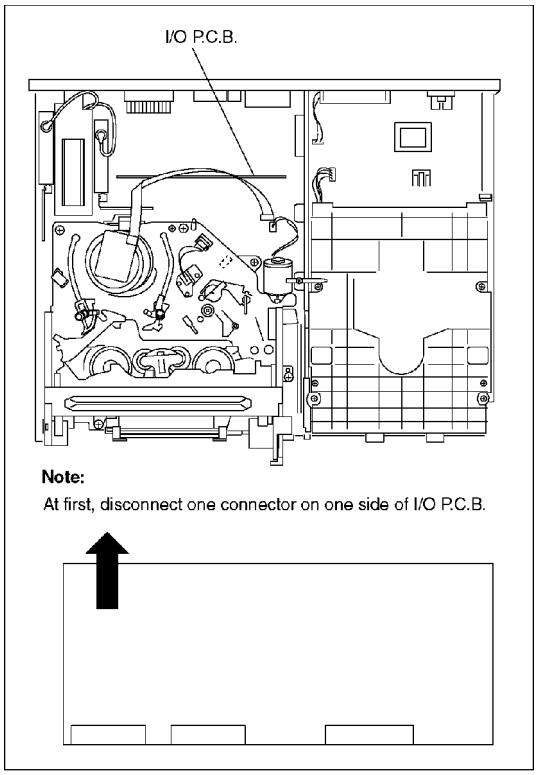

### 12.7.1. Only Fan Motor

## 1. Remove 2 Screws and Fan Connector to remove Fan Motor.




## 12.8. I/O P.C.B.

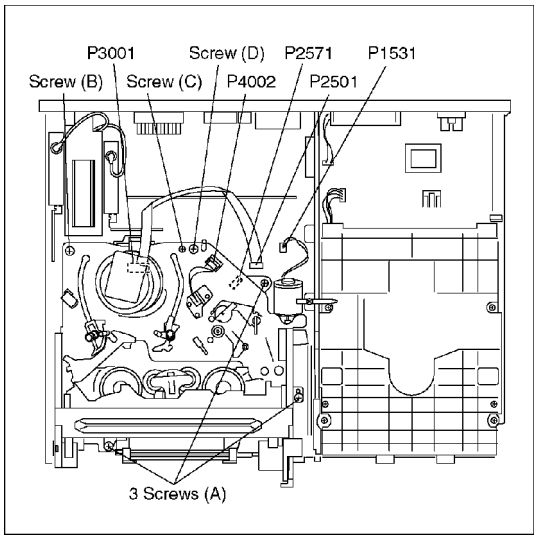
**At first, disconnect one connector on one side of I/O P.C.B, and pull out the I/O P.C.B.**




## 12.9. VTR Mechanism Unit

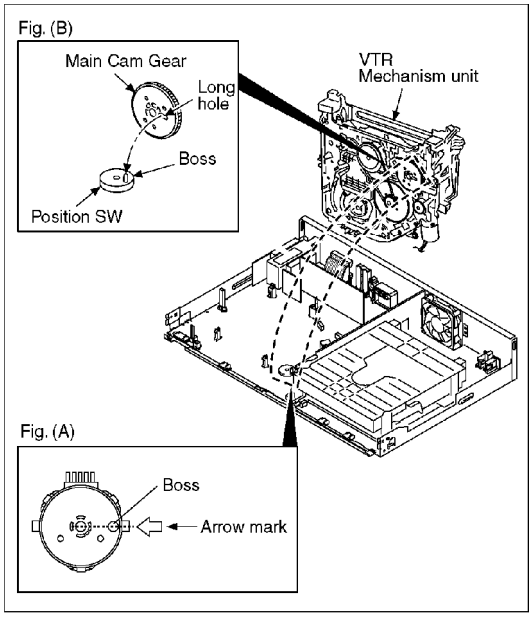
1. Disconnect 3 Connectors (P1531, P2501 and P4002).
2. Remove 3 Black Screws (A), Screw (B) , Screw (C) and Screw D).
3. Lift up VTR Mechanism Unit perpendicularly so to disconnect Connectors (P2571 and P3001).

**Note:**
**When you lift up VTR Mechanism Unit, because connections of P2501 and P3001 are tight, pay attention to that.**



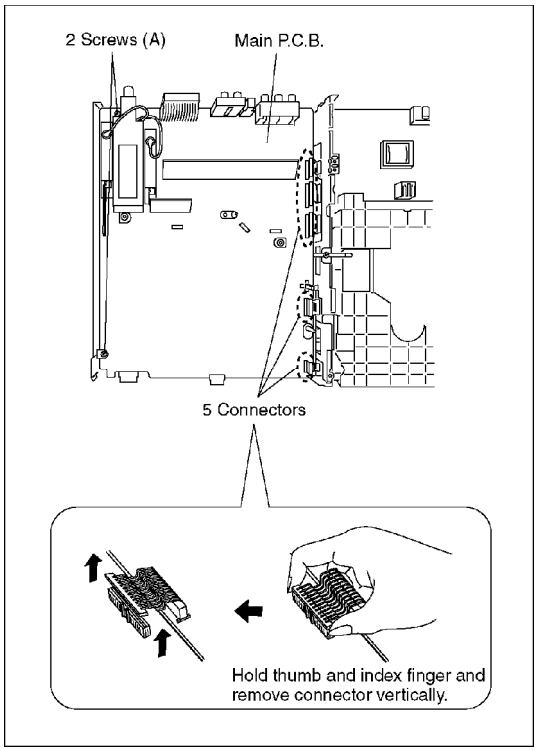

### 12.9.1. Caution for attaching VTR Mechanism Unit

1. **Because Position SW should be set to "Eject Position", refer to fig.(A) and set the position switch so that the boss and arrow mark come on a straight line.**
2. **Attach VTR Mechanism Unit so that Boss of Position SW is put into long hole of Main Cam Gear, refer to Fig. (B).**




## 12.10. Main P.C.B.

1. **Disconnect 5 Connectors.**
2. **Remove 2 Screws (A), and remove Main P.C.B.**

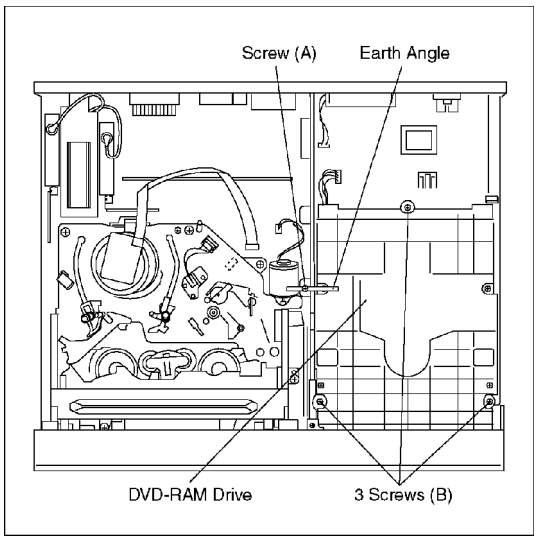



## 12.11. DVD-RAM Drive

**1. Remove Screw (A) and Earth Angle.**

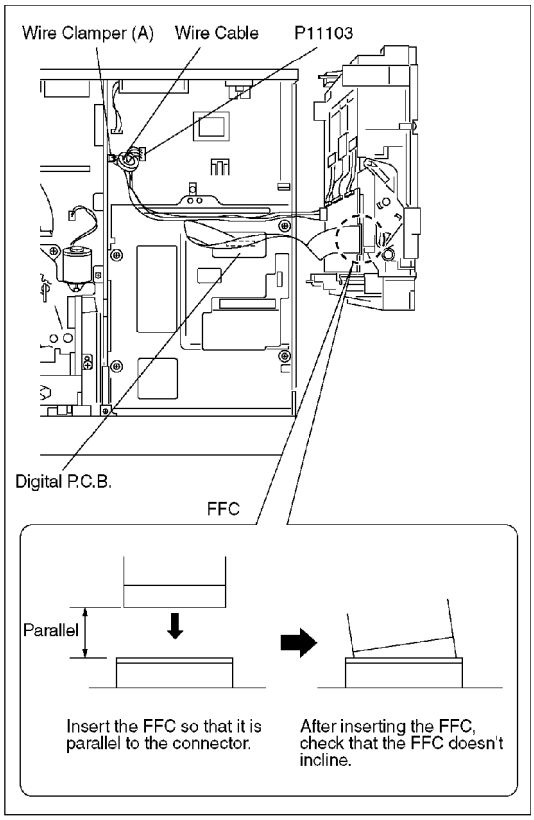
**2. Remove 3 Screws (B).**

**3. Lift up DVD-RAM Drive slightly.**



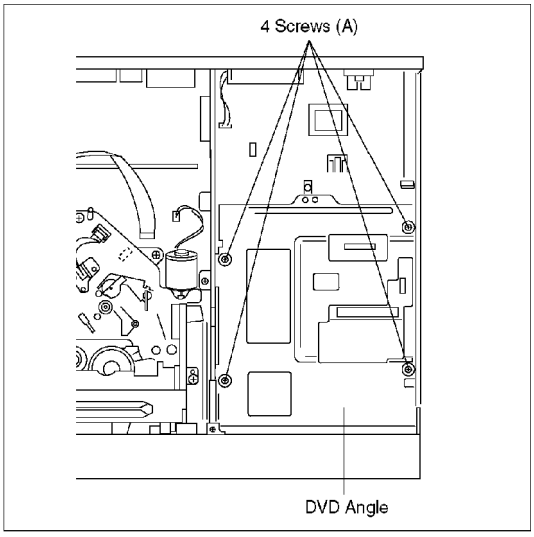

**4. Remove wire cable from Wire Clamper (A).**

**5. Disconnect Connector P11103 and FFC from Digital P.C.B.**




## 12.12. Digital P.C.B.

**1. Remove 4 Screws (A) and DVD Angle.**




**2. Disconnect FFC.**

**3. Remove Screw (B).**

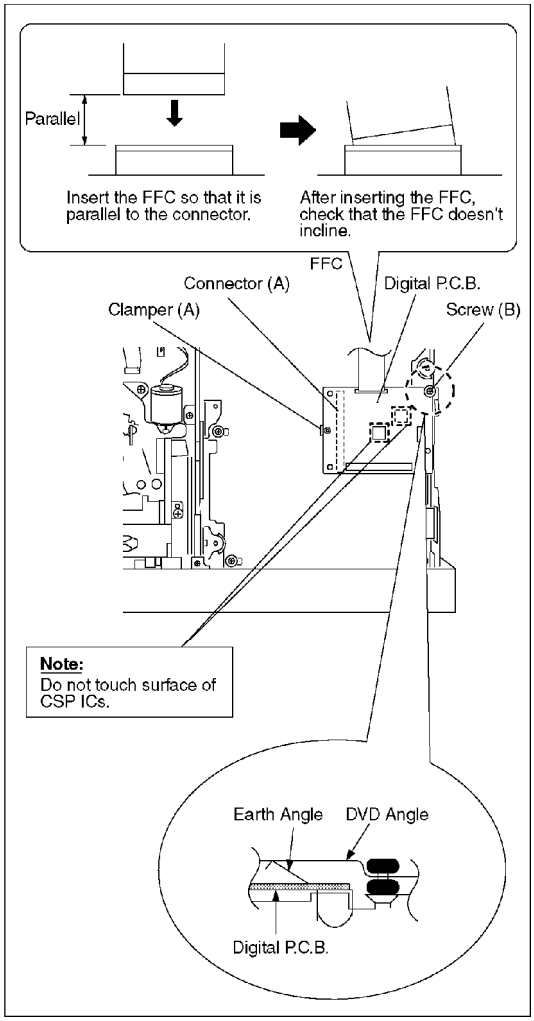
**4. Unlock Clamper (A), pay attention to Connector (A), and pull out Digital P.C.B. to disconnect Connector (A).**

**CAUTION 1:**

**When replacing Digital P.C.B., pay attention to inserting FFC, and be careful to do not touch surface of CSP ICs.**
**If you have touched surface of CSP IC, clean up with alcohol and so on to prevent oxidation.**

**CAUTION 2:**

**When attaching Digital P.C.B. on to Earth Angle, Earth Angle should be touches to DVD angle as shown below.**



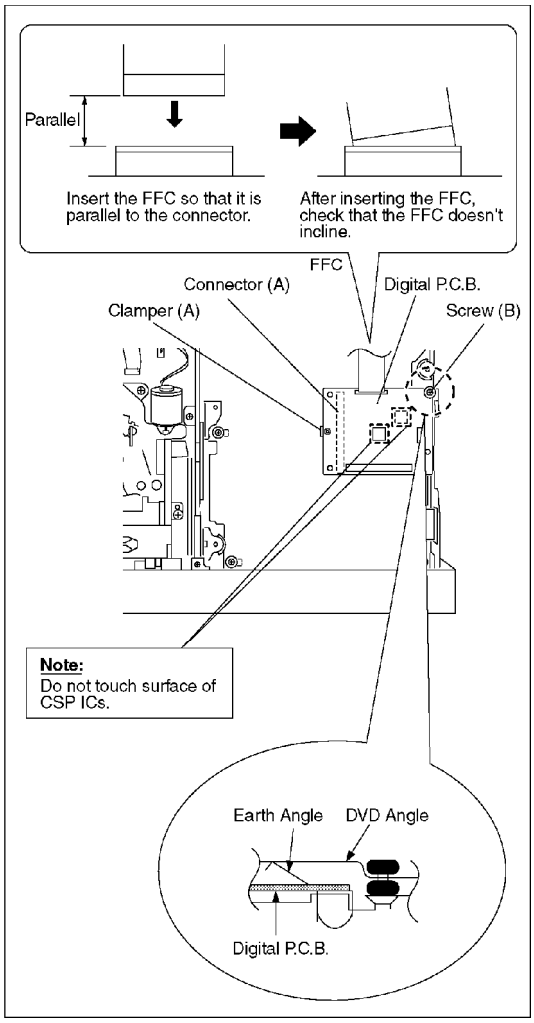

## 12.13. Power & Digital I/F P.C.B.

1. **Remove Front Panel (refer to 12.5.), Rear Panel (refer to 12.7.), DVD -RAM Drive (refer to 12.11.),Digital P.C.B. (refer to 12.12.) and VTR Mechanism (refer to 12.9.).**
2. **Disconnect 5 Connectors.**
3. **Install VTR Mechanism (refer to 12.9.).**

**4. Remove the 5 screws (A) and one scre (B).**

**5. Remove Front Angle.**

**6. Remove Power & Digital I/F P.C.B.**

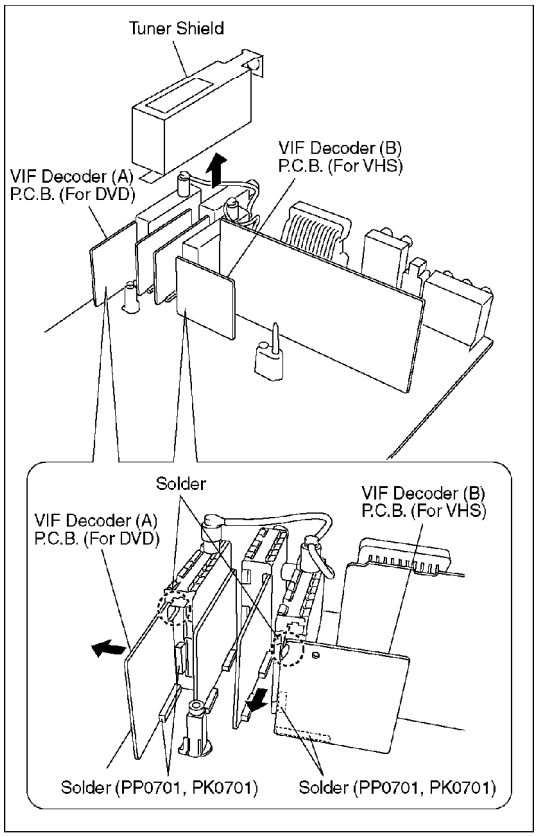



## 12.14. VIF Decoder (A) P.C.B. (For DVD) & VIF Decoder (B) P.C.B. (For VHS).

**1. Remove the Tuner Shield.**

**2. Remove the solders.**

**3. Pull out the VIF Decoder P.C.B. (A) or (B).**

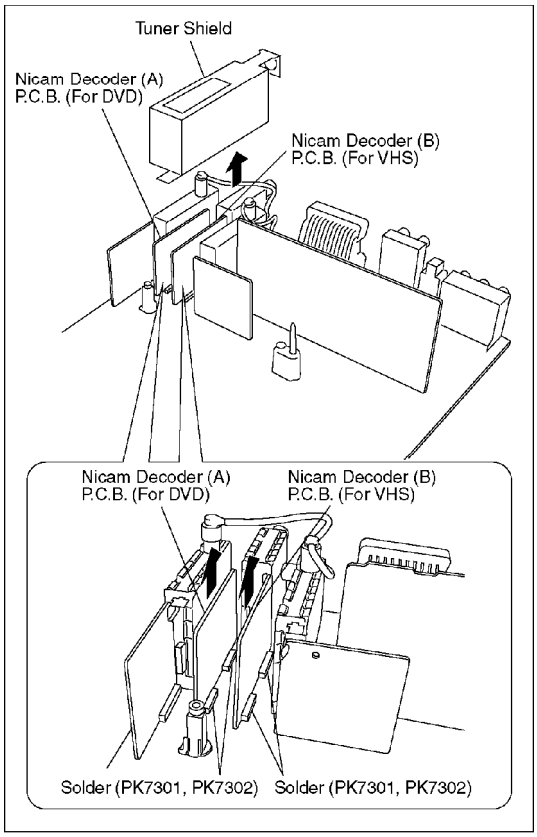



## 12.15. Nicam Decoder (A) P.C.B. (For DVD) & Nicam Decoder (B) P.C.B. (For VHS).

**1. Remove the Tuner Shield.**

**2. Remove the solders.**

**3. Pull out the Nicam Decoder P.C.B. (A) or (B).**

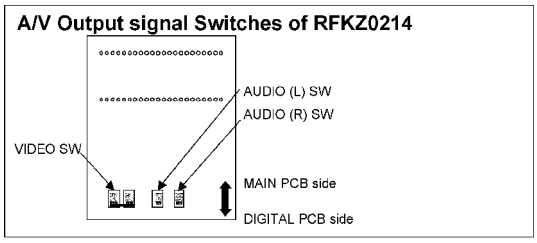



# 13. Service Fixture and Tools

| Part Number | Description | Pcs | Compatib |
|---|---|---|---|
| RFKZ0125 | Extension FFC (Digital P.C.B. - DVD-RAM Drive / 40 Pin) | 1 | Same as E50 s |
| RFKZ0168 | Extension Cable (Power & Digital I/F P.C.B. - FAN / 3 Pin) | 1 | Same as E50 s |
| RFKZ0169 | Extension Cable (RAM Drive - Power & Digital I/F P.C.B. / 4 Pin) | 1 | Same as E50 s |
| VFK1729 | Extension Cable (Main P.C.B. - Power & Digital I/F P.C.B./ 13pin/40mm) | 2 | New |
| | Extension Cable (Main P.C.B. - Power & Digital I/F P.C.B./ 13pin/40mm) | | |
| RFKZ0240 | Extension Cable (Main P.C.B. - Power & Digital I/F P.C.B./ 19pin/40mm) | 2 | New |
| | Extension Cable (Main P.C.B. - Power & Digital I/F P.C.B./ 19pin/40mm) | | |
| RFKZ0178 | Extension Cable (Main P.C.B. - Power & Digital I/F P.C.B./ 7pin/40mm) | 1 | New |
| RFKZ0214 | Extension Cable (Power & Digital I/F P.C.B. - Digital P.C.B. / 88 Pin) | 1 | Same as DMR- |
| RFKZ0215 | Extension Cable (Main P.C.B. - Front (Jack) P.C.B. / 12 Pin) | 1 | Same as DMR- |

| Part Number | Description | Pcs | Compatib |
|---|---|---|---|
| VFK1562 | Extension Cable (Main P.C.B. - I/O P.C.B. / 18 Pin) | 3 | New |
| | Extension Cable (Main P.C.B. - I/O P.C.B. / 18 Pin) | | |
| | Extension Cable (Main P.C.B. - I/O P.C.B. / 18 Pin) | | |
| RFKZ0239 | Extension Cable (Power & Digital I/F P.C.B. - FL Drive P.C.B. / 10 Pin) | 1 | New |
| RFKZ0238 | Extension Cable (Power & Digital I/F P.C.B. - FL Drive P.C.B. / 8 Pin) | 2 | New |
| | Extension Cable (Main P.C.B. - FL Drive P.C.B. / 8 Pin) | | |

**NOTE:**
**Extension Cable RFKZ0214 has A/V Output Signal switches.**
**Output signals can be switched from MAIN P.C.B. side or DIGITAL P.C.B. side.**
**When check MAIN P.C.B., turn switches to MAIN P.C.B. side.**
**When check DIGITAL P.C.B., turn switches to DIGITAL P.C.B. side.**



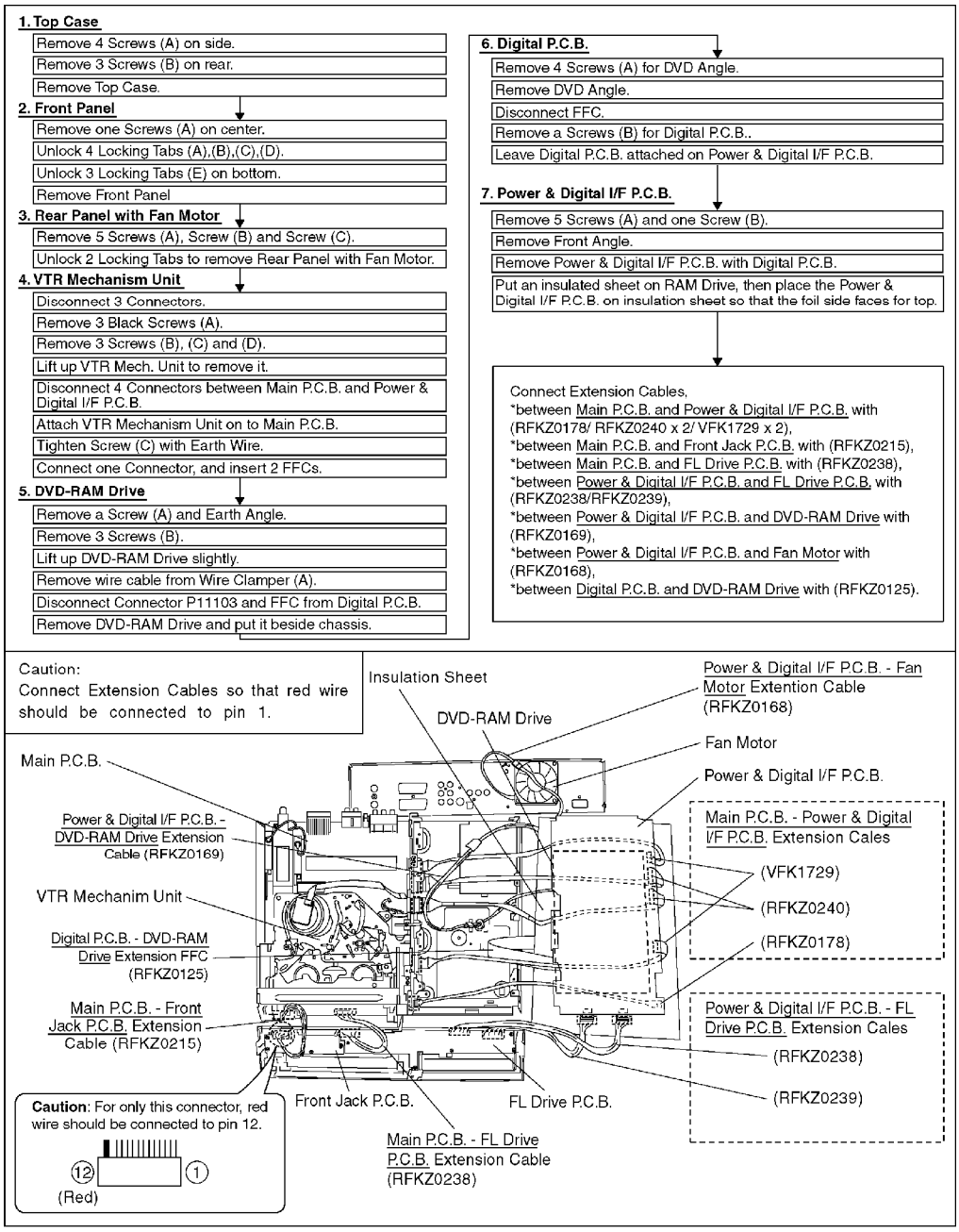

**(For VHS)**

| Part Number | Description | Pcs | Compatib |
|---|---|---|---|
| VFJ8125H3F | PAL VHS Alignment Tape | 1 | New |
| VFK0329 | Post Adjustment Screwdriver | 1 | New |
| VFK0330 | Fine Adjustment Gear Driver | 1 | New |

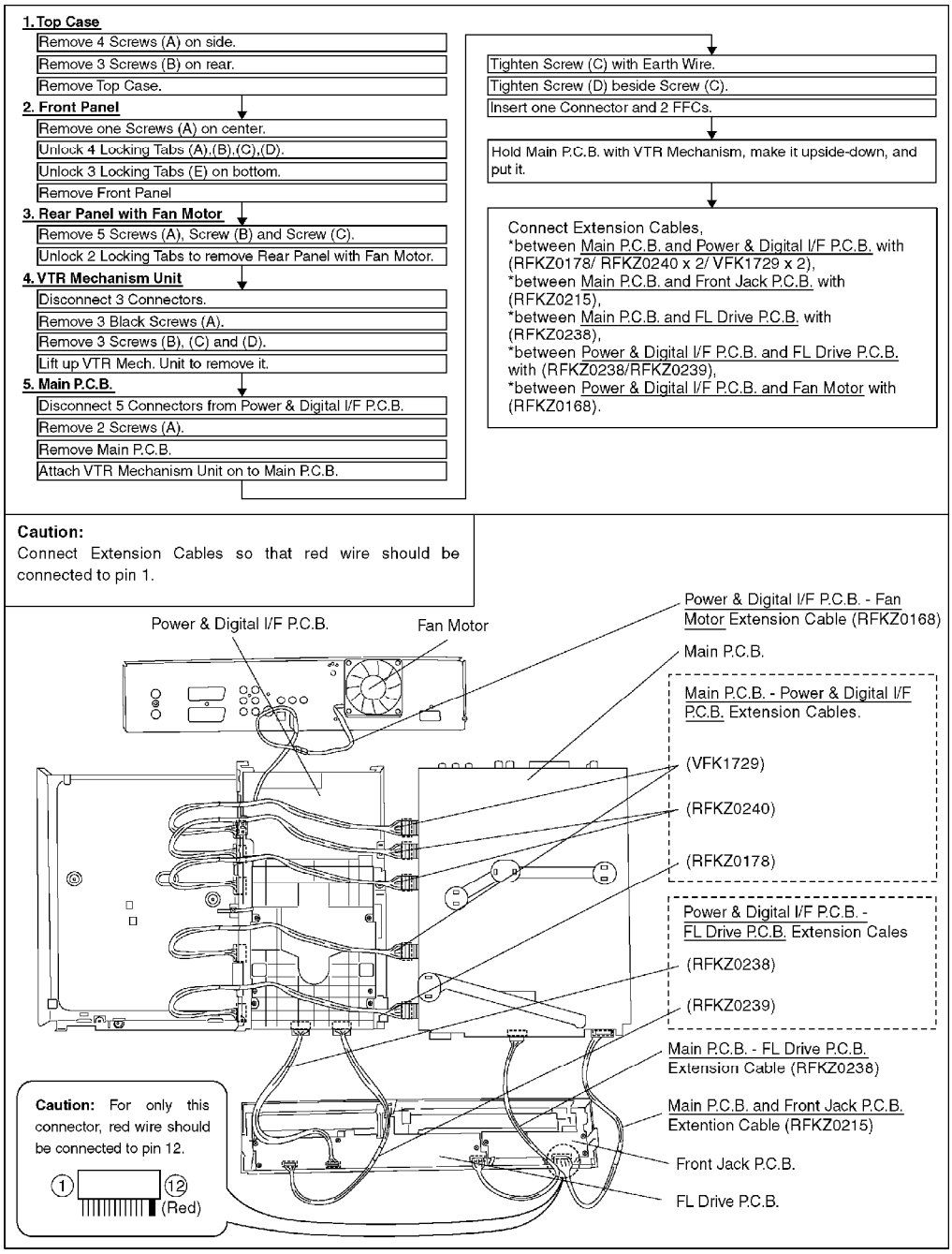
# 14. Service Positions

**Note:**
**For description of the disassembling procedure, see the section 12.**

## 14.1. Checking and Repairing of Power & Digital I/F P.C.B.


1. Top Case
Remove 4 Screws (A) on side.
Remove 3 Screws (B) on rear.
Remove Top Case.
2. Front Panel
Remove one Screws (A) on center.
Unlock 4 Locking Tabs (A),(B),(C),(D).
Unlock 3 Locking Tabs (E) on bottom.
Remove Front Panel
3. Rear Panel with Fan Motor
Remove 5 Screws (A), Screw (B) and Screw (C).
Unlock 2 Locking Tabs to remove Rear Panel with Fan Motor.
4. VTR Mechanism Unit
Disconnect 3 Connectors.
Remove 3 Black Screws (A).
Remove 3 Screws (B), (C) and (D).
Lift up VTR Mech. Unit to remove it.
Disconnect 4 Connectors between Main P.C.B. and Power & Digital I/F P.C.B.
Attach VTR Mechanism Unit on to Main P.C.B.
Tighten Screw (C) with Earth Wire.
Connect one Connector, and insert 2 FFCs.
5. DVD-RAM Drive
Remove a Screw (A) and Earth Angle.
Remove 3 Screws (B).
Lift up DVD-RAM Drive slightly.
Remove wire cable from Wire Clamper (A).
Disconnect Connector P11103 and FFC from Digital P.C.B.
Remove DVD-RAM Drive and put it beside chassis.
6. Digital P.C.B.
Remove 4 Screws (A) for DVD Angle.
Remove DVD Angle.
Disconnect FFC.
Remove a Screws (B) for Digital P.C.B..
Leave Digital P.C.B. attached on Power & Digital I/F P.C.B.
7. Power & Digital I/F P.C.B.
Remove 5 Screws (A) and one Screw (B).
Remove Front Angle.
Remove Power & Digital I/F P.C.B. with Digital P.C.B.
Put an insulated sheet on RAM Drive, then place the Power & Digital I/F P.C.B. on insulation sheet so that the foil side faces for top.
Connect Extension Cables,
*between Main P.C.B. and Power & Digital I/F P.C.B. with (RFKZ0178/ RFKZ0240 x 2/ VFK1729 x 2),
*between Main P.C.B. and Front Jack P.C.B. with (RFKZ0215),
*between Main P.C.B. and FL Drive P.C.B. with (RFKZ0238),
*between Power & Digital I/F P.C.B. and FL Drive P.C.B. with (RFKZ0238/RFKZ0239),
*between Power & Digital I/F P.C.B. and DVD-RAM Drive with (RFKZ0169),
*between Power & Digital I/F P.C.B. and Fan Motor with (RFKZ0168),
*between Digital P.C.B. and DVD-RAM Drive with (RFKZ0125).
Caution:
Connect Extension Cables so that red wire should be connected to pin 1.
Insulation Sheet
DVD-RAM Drive
Power & Digital I/F P.C.B. - Fan Motor Extention Cable (RFKZ0168)
Fan Motor
Power & Digital I/F P.C.B.
Main P.C.B.
Power & Digital I/F P.C.B. - DVD-RAM Drive Extension Cable (RFKZ0169)
VTR Mechanim Unit
Digital P.C.B. - DVD-RAM Drive Extension FFC (RFKZ0125)
Main P.C.B. - Front Jack P.C.B. Extension Cable (RFKZ0215)
Main P.C.B. - Power & Digital I/F P.C.B. Extension Cales
(VFK1729)
(RFKZ0240)
(RFKZ0178)
Power & Digital I/F P.C.B. - FL Drive P.C.B. Extension Cales
(RFKZ0238)
(RFKZ0239)
Caution: For only this connector, red wire should be connected to pin 12.
12
1
(Red)
Front Jack P.C.B.
FL Drive P.C.B.
Main P.C.B. - FL Drive P.C.B. Extension Cable (RFKZ0238)

## 14.2. Checking and Repairing of Main P.C.B.


1. Top Case
Remove 4 Screws (A) on side.
Remove 3 Screws (B) on rear.
Remove Top Case.
2. Front Panel
Remove one Screws (A) on center.
Unlock 4 Locking Tabs (A),(B),(C),(D).
Unlock 3 Locking Tabs (E) on bottom.
Remove Front Panel
3. Rear Panel with Fan Motor
Remove 5 Screws (A), Screw (B) and Screw (C).
Unlock 2 Locking Tabs to remove Rear Panel with Fan Motor.
4. VTR Mechanism Unit
Disconnect 3 Connectors.
Remove 3 Black Screws (A).
Remove 3 Screws (B), (C) and (D).
Lift up VTR Mech. Unit to remove it.
5. Main P.C.B.
Disconnect 5 Connectors from Power & Digital I/F P.C.B.
Remove 2 Screws (A).
Remove Main P.C.B.
Attach VTR Mechanism Unit on to Main P.C.B.
Tighten Screw (C) with Earth Wire.
Tighten Screw (D) beside Screw (C).
Insert one Connector and 2 FFCs.
Hold Main P.C.B. with VTR Mechanism, make it upside-down, and put it.
Connect Extension Cables,
*between Main P.C.B. and Power & Digital I/F P.C.B. with (RFKZ0178/ RFKZ0240 x 2/ VFK1729 x 2),
*between Main P.C.B. and Front Jack P.C.B. with (RFKZ0215),
*between Main P.C.B. and FL Drive P.C.B. with (RFKZ0238),
*between Power & Digital I/F P.C.B. and FL Drive P.C.B. with (RFKZ0238/RFKZ0239),
*between Power & Digital I/F P.C.B. and Fan Motor with (RFKZ0168).
Caution:
Connect Extension Cables so that red wire should be connected to pin 1.
Power & Digital I/F P.C.B.
Fan Motor
Power & Digital I/F P.C.B. - Fan Motor Extension Cable (RFKZ0168)
Main P.C.B.
Main P.C.B. - Power & Digital I/F P.C.B. Extension Cables.
(VFK1729)
(RFKZ0240)
(RFKZ0178)
Power & Digital I/F P.C.B. - FL Drive P.C.B. Extension Cales
(RFKZ0238)
(RFKZ0239)
Main P.C.B. - FL Drive P.C.B. Extension Cable (RFKZ0238)
Main P.C.B. and Front Jack P.C.B. Extention Cable (RFKZ0215)
Front Jack P.C.B.
FL Drive P.C.B.
Caution: For only this connector, red wire should be connected to pin 12.
1
12
(Red)

## 14.3. Checking and Repairing of Digital P.C.B.

**1. Top Case**

- Remove 4 Screws (A) on side.
- Remove 3 Screws (B) on rear.
- Remove Top Case.

**2. DVD-RAM Drive**

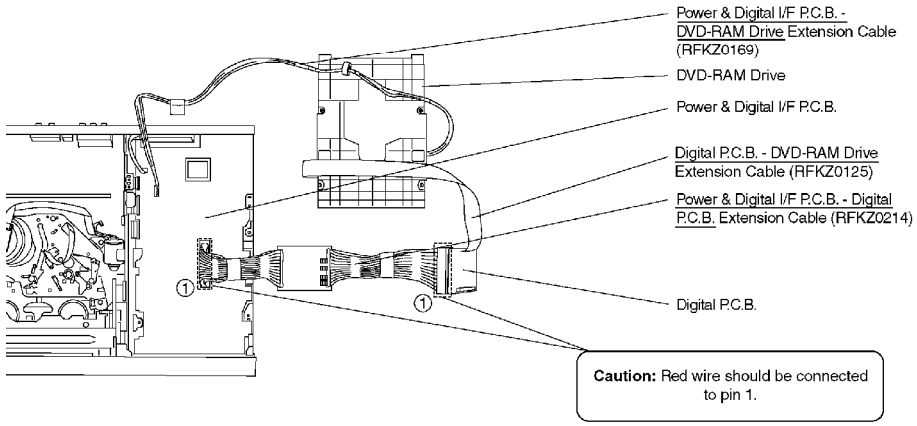
- Remove a Screw (A) and Earth Angle.
- Remove 3 Screws (B).
- Lift up DVD-RAM Drive slightly.
- Remove wire cable from Wire Clamper (A).
- Disconnect Connector P11103 and FFC from Digital P.C.B.
- Remove DVD-RAM Drive and put it beside chassis.

**3. Digital P.C.B.**

- Remove 4 Screws (A) for DVD Angle.
- Remove DVD Angle.
- Disconnect FFC.
- Remove a Screws (B) for Digital P.C.B..
- Remove Digital P.C.B.

Connect Extension Cables,
*between Power & Digital I/F P.C.B. and Digital P.C.B. with (RFKZ0214),
*between Power & Digital I/F P.C.B. and DVD-RAM Drive with (RFKZ0169),
*between Digital P.C.B. and DVD-RAM Drive with (RFKZ0125).

**Caution:**
Connect Extension Cables so that red wire of RFKZ0214 should be connected pin 1 .


Power & Digital I/F P.C.B. - DVD-RAM Drive Extension Cable (RFKZ0169)
DVD-RAM Drive
Power & Digital I/F P.C.B.
Digital P.C.B. - DVD-RAM Drive Extension Cable (RFKZ0125)
Power & Digital I/F P.C.B. - Digital P.C.B. Extension Cable (RFKZ0214)
Digital P.C.B.
1
1
Caution: Red wire should be connected to pin 1.

## 14.4. Checking and Repairing of I/O P.C.B.

1. Top Case

Remove 4 Screws (A) on side.

Remove 3 Screws (B) on rear.

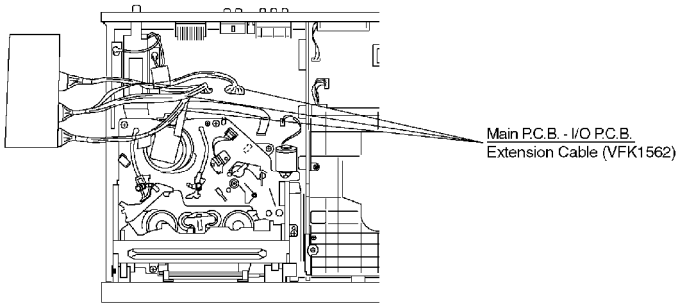
Remove Top Case.

2. I/O P.C.B.

At first, disconnect one connector on one side of I/O P.C.B. and pull out the I/O P.C.B.

Connect Extension Cables,
*between Main P.C.B. and I/O P.C.B. with (VFK1562 x 3).

**Caution:**
Connect Extension Cables so that red wire should be connected to pin 1.




## 14.5. Checking and DVD-RAM Drive

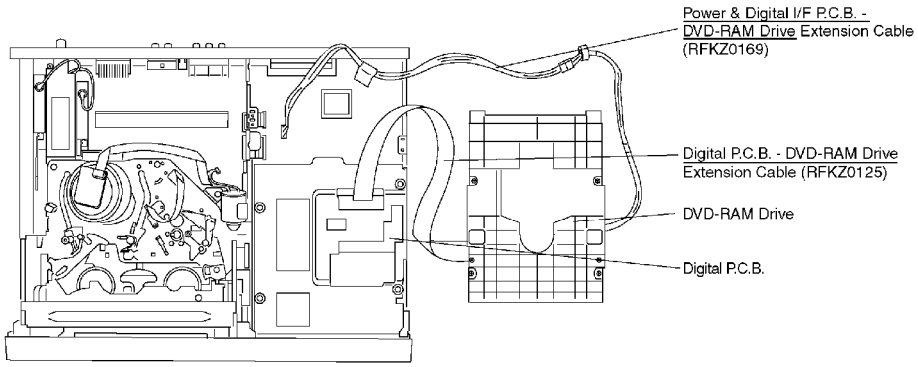
1. Top Case

Remove 4 Screws (A) on side.
Remove 3 Screws (B) on rear.
Remove Top Case.

2. DVD-RAM Drive

Remove a Screw (A) and Earth Angle.
Remove 3 Screws (B).
Lift up DVD-RAM Drive slightly.
Remove wire cable from Wire Clamper (A).
Disconnect Connector P11103 and FFC from Digital P.C.B.
Remove DVD-RAM Drive and put it beside chassis.

Connect Extension Cables,
*between Power & Digital I/F P.C.B. and DVD-RAM Drive with (RFKZ0169),
*between Digital P.C.B. and DVD-RAM Drive with (RFKZ0125).


Power & Digital I/F P.C.B. - DVD-RAM Drive Extension Cable (RFKZ0169)
Digital P.C.B. - DVD-RAM Drive Extension Cable (RFKZ0125)
DVD-RAM Drive
Digital P.C.B.

# 15. (DVD) Caution after parts replacing parts

## 15.1. (DVD) After replacing the RAM Drive with new one

After replacing of RAM drive unit, TEST mode is not necessary. Please confirm operation for RAM drive

**Caution:**

**In this case, all parameters are initialized.**

## 15.2. (DVD) When the unit does not operate normally after replacing the Timer Microprocessor with new one

**in order to transmit the**

| Step | Operation | Descriptions |
|---|---|---|
| 1 | While power is ON, short IC37508-4 pin (RESET) and the GND. | “RESET (L)” is transmitted to the terminal of Timer Microprocesso 11 pin), then the unit operates nc |

# 16. (VHS) Caution after replacing parts

**PG Shifter Automatic Adjustment and X-VALUE & LINEARITY (P2 and P3 Posts) ADJUSTMENT**

**should be performed after replacing DD Cylinder, VHS Microprocessor or Main P.C.B.**

## 16.1. (VHS) Adjustment Procedures after replacing DD Cylinder, VHS Microprocessor or Main P.C.B.

**ADJUSTMENT PROCEDURE**

| PROCEDURE | F.I.P. DISPLAY |
|---|---|
| **Turn on the Service Mode**<br>**1.Press the FF key and the EJECT key simultaneously for more than 3 seconds.** | 00000 |
| **Activate the Service Mode 2**<br>**2. While keep pressing FF key, press the EJECT key twice.** | 20000 |
| **Activate the Entering Mode.**<br>**3. Press the EJECT key for more than 3 seconds.** | 2 00 |
| **Set the Mode 2.**<br>**4. Press the CH UP key once.** | 2 100 |
| **Insert the alignment cassette tape (VFJ8125H3F)**<br>**5. The PG Shifter Adjustment starts automatically.** | 2 100 |
| **When the sequence of the automatic adjustment has been terminated, the following action has been made.**<br>● **SUCCEED: The cassette tape is ejected.**<br>● **ERROR:If cassette tape was not ejected automatically soon. Then confirm error number "20", "21",**<br>**"22" or "23" in Service ModeNumber 3. (Refer to next PG Shifter Automatic Adjustment**<br>**Self-Diagnosis Indication Table regarding the details of the indications.** | |
| **Exit from Service Mode.**<br>**6. Press FF and EJECT keys simultaneously in 6 times.**<br>**Then the FIP becomes normal indication.** | 10:00<br>**(Normal Indication)** |

**PG SHIFTER AUTOMATIC ADJUSTMENT SELF-DIAGNOSIS INDICATION**

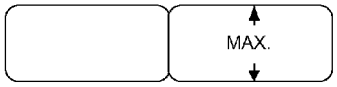
| | |
|---|---|
| **20** | **NG1 in the PG Shifter Automatic Adjustment**<br>**(The cylinder rotation is unstable during the automatic adjustment.)** |
| **21** | **NG2 in the PG Shifter Automatic Adjustment**<br>**(The vertical sync signal is lacked while over 5 seconds on the alignment tape.)** |
| **22** | **NG3 in the PG Shifter Automatic Adjustment**<br>**(The installing position of Heads to the cylinder is our of specification.** |
| **23** | **NG4 in the PG Shifter Automatic Adjustment**<br>**(The servo is not locked to the cylinder for more than 10 sec.)** |

**NOTE:**
**When DD Cylinder was replaced, the Tape Interchangeability adjustment (X-Value Adjustment, P2 and P3 Posts Adjustment) shown below should be performed after the PG Shifter Automatic Adjustment.**

## 16.2. (VHS) X-VALUE & LINEARITY (P2 and P3 Posts) ADJUSTMENT

1. Set the Auto Tracking to off.
   (1) Press the FF key and the EJECT key simultaneously for more than 3 seconds to enter Service Mode.
   (2) While keep pressing FF key, press the EJECT key twice to activate Service Mode 2, then Auto-Tracking is turned off.
2. Perform the X-VALUE ADJUSTMENT
   (1) After turning off the Auto tracking, playback the alifnment Tape and press [VHS CH UP] and [VHS CH DOWN] keys simultaneously to adjust the tracking to FIX value.
   (2) Adjust A/C Head Base so that the envelope becomes maximum level.
   (It is described on **"5.2. Tape Interchangeability Adjustment" in "R4-MECHANISM-CHASSIS-FOR-EURO-MODEL: Order No. MAD0403002C2"** that is separated volume.)

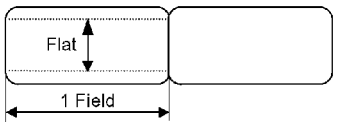
| | |
|---|---|
| Alignment Tape | VFJ8125H3F |
| Test Point of Playback Envelope | TW3001 (or TW4502) |



Playback Envelope

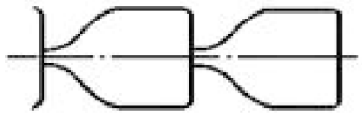
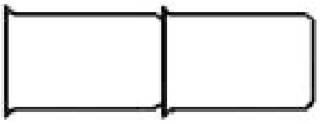
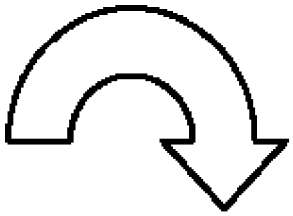
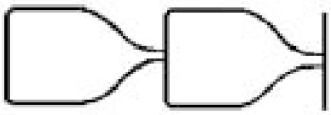
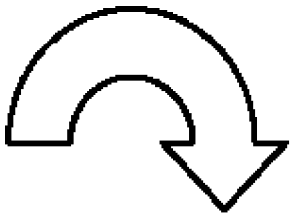
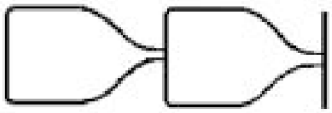
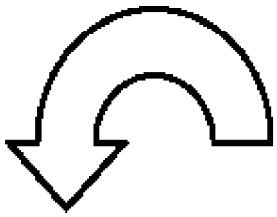
3. Perform the LINEARITY ADJUSTMENT
   (1) After turning off the Auto tracking, playback the alignment Tape and press [VHS CH UP] and [VHS CH DOWN] keys simultaneously to adjust the tracking to FIX value.
   (2) Adjust the LINEARITY so that the envelope is flat when moving tracking to (+) and (-) directions.3

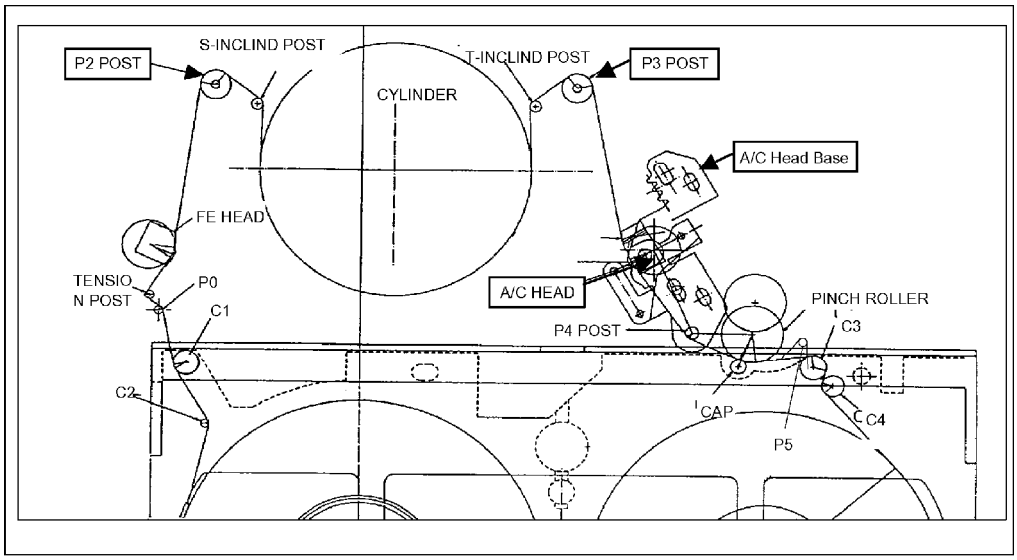
| | |
|---|---|
| Alignment Tape | VFJ8125H3F |
| Test Point of Playback Envelope | TW3001 (or TW4502) |



Playback Envelope

● **Main symptoms and Adjustment point**

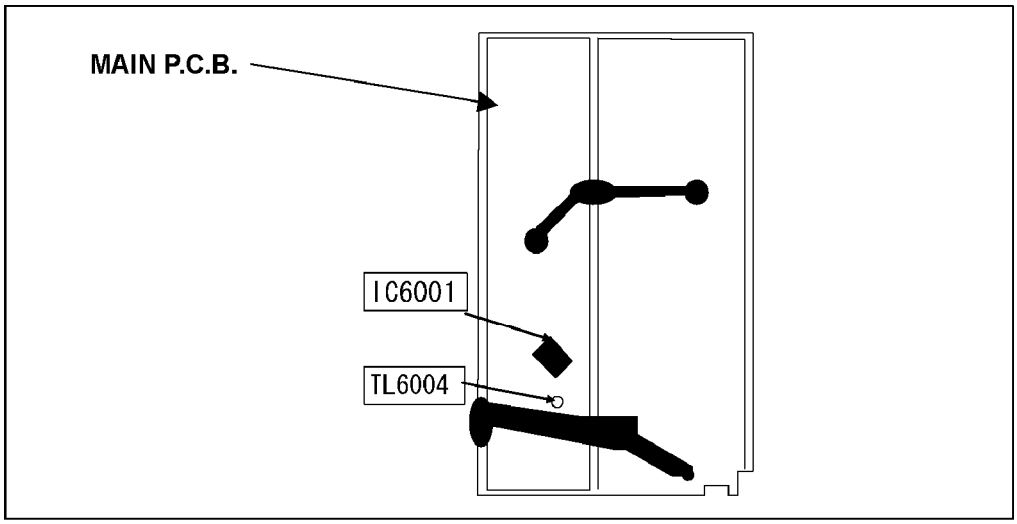
| Envelope | Post Name | Adjustment Method |
|---|---|---|
|  | P2 Post | Turn P2 Post counter-clockwise (Approx. 1/2 revolution) |
|  | P2 Post  | Turn P2 Post clockwise (Approx. 1/4 revolution) |
|  | P3 Post  | Turn P3 Post clockwise (Approx. 1/2 revolution) |
|  | P3 Post  | Turn P3 Post counter-clockwise (Approx. 1/4 revolution) |
| | P2 Post P3 Post | Turn P2 Post clockwise (Less than 1 revolution) Turn P3 Post counter-clockwise (Less than 1revolution) |




## 16.3. (VHS) Caution after replacing VHS Microprocessor (IC6001)

**If the unit does not operate normally after replacing VHS Microprocessor (IC6001), reset IC6001.**

### 1. While power is ON, short out circuit between TL6004 (RESET L) and GND momentarily to reset IC6001.




# 17. (DVD) Standard Inspection Specifications after Making Repairs

**After making repairs, we recommend performing the following inspection, to check normal operation.**

| No. | Procedure | Item to Check |
|---|---|---|
| 1 | Turn on the power, and confirm items pointed out. | Items pointed out should reappear. |
| 2 | Insert RAM disc. | The Panasonic RAM disc should be recog |
| 3 | Enter the EE (TU IN / AV IN - AV OUT) mode. | No abnormality should be seen in the pict sound or operation. |
| 4 | Perform auto recording and playback for one minute using the RAM disc. | No abnormality should be seen in the pict sound or operation. |
| 5 | If a problem is caused by a VCD, DVD-R, DVD-Video, Audio-CD, or MP3, playback the test disc. | No abnormality should be seen in the pict sound or operation. |
| 6 | After checking and making repairs, upgrade the firmware to the latest version. | Make sure that [FIRM_SUCCESS] appears FL displays.<br>*[UNFORMAT] display means the unit is a updated to newest same version. Then ve is not necessary. |
| 7 | Transfer [9][9] in the service mode setting, and initialize the service settings (return various settings and error information to their default values. The laser time is not included in this initialization). | Make sure that [FACT INIT] appears in the display.<br>After checking it, turn the power off. |
| 8 | To replace the RAM drive, reset all the information (including the laser time) in the process mode 1 setting.<br>*The laser time is the total time that DVDs or CDs have been played or recorded.It is recorded on the Digital P.C.B.. | Maku sure that [TEST AV1] appears in the display.<br>After checking it, turn the power off. |

**Use the following checklist to establish the judgement criteria for the picture and sound.**

| Item | Contents | Check | Item | Contents |
|---|---|---|---|---|
| Picture | Block noise | | Sound | Distorted sound |
| | Crosscut noise | | | Noise (static, background noise, etc.) |
| | Dot noise | | | The sound level is too low. |
| | Picture disruption | | | The sound level is too high. |
| | Not bright enough | | | The sound level changes. |
| | Too bright | | | |
| | Flickering color | | | |
| | Color fading | | | |

# 18. Voltage and Waveform Chart

**Note)**

**- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard.**

**Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.**

### 18.1. Power & Digital I/F P.C.B.

### 18.2. Main P.C.B.

### 18.3. I/O P.C.B.

### 18.4. FL Drive P.C.B.

### 18.5. Nicam Decoder (A) & (B) P.C.B.

### 18.6. Front Jack P.C.B.

### 18.7. P9001 Connector

### 18.8. Waveform Chart

**Note:**
**The waveforms are measured with PAL colour bar signal.**

# 19. Abbreviations

## 19.1. DVD

| INITIAL/LOGO | | ABBREVIATIONS |
|---|---|---|
| A | A0~UP | ADDRESS |
| | ACLK | AUDIO CLOCK |
| | AD0~UP | ADDRESS BUS |
| | ADATA | AUDIO PES PACKET DATA |
| | ALE | ADDRESS LATCH ENABLE |
| | AMUTE | AUDIO MUTE |
| | AREQ | AUDIO PES PACKET REQUEST |
| | ARF | AUDIO RF |
| | ASI | SERVO AMP INVERTED INPUT |
| | ASO | SERVO AMPOUTPUT |
| | ASYNC | AUDIO WORD DISTINCTION SYNC |

| INITIAL/LOGO | | ABBREVIATIONS |
|---|---|---|
| B | BCK | BIT CLOCK (PCM) |
| | BCKIN | BIT CLOCK INPUT |
| | BDO | BLACK DROP OUT |
| | BLKCK | SUB CODE BLOCK CLOCK |
| | BOTTOM | CAP. FOR BOTTOM HOLD |
| | BYP | BYPATH |
| | BYTCK | BYTE CLOCK |
| C | CAV | CONSTANT ANGULAR VELOCITY |
| | CBDO | CAP. BLACK DROP OUT |
| | CD | COMPACT DISC |
| | CDSCK | CD SERIAL DATA CLOCK |
| | CDSRDATA | CD SERIAL DATA |
| | CDRF | CD RF (EFM) SIGNAL |
| | CDV | COMPACT DISC-VIDEO |
| | CHNDATA | CHANNEL DATA |
| | CKSL | SYSTEM CLOCKSELECT |
| | CLV | CONSTANT LINEAR VELOCITY |
| | COFTR | CAP. OFF TRACK |
| | CPA | CPU ADDRESS |
| | CPCS | CPU CHIP SELECT |
| | CPDT | CPU DATA |
| | CPUADR | CPU ADDRESS LATCH |
| | CPUADT | CPU ADDRESS DATA BUS |
| | CPUIRQ | CPU INTERRUPT REQUEST |
| | CPRD | CPU READ ENABLE |
| | CPWR | CPU WRITE ENABLE |
| | CS | CHIPSELECT |
| | CSYNCIN | COMPOSITE SYNC IN |
| | CSYNCOUT | COMPOSITE SYNC OUT |

| INITIAL/LOGO | | ABBREVIATIONS |
|---|---|---|
| D | DACCK | D/A CONVERTER CLOCK |
| | DEEMP | DEEMPHASIS BIT ON/OFF |
| | DEMPH | DEEMPHASIS SWITCHING |
| | DIG0~UP | FL DIGIT OUTPUT |
| | DIN | DATA INPUT |
| | DMSRCK | DM SERIAL DATA READ CLOCK |
| | DMUTE | |
| | DO | DIGITAL MUTE CONTROL |
| | DOUT0~UP | DROP OUT |
| | | DATAOUTPUT |
| | DRF | DATA SLICE RF (BIAS) |
| | DRPOUT | DROP OUT SIGNAL |
| | DREQ | DATA REQUEST |
| | DRESP | DATA RESPONSE |
| | DSC | DIGITAL SERVO CONTROLLER |
| | DSLF | DATA SLICE LOOP FILTER |
| | DVD | DIGITAL VIDEO DISC |

| INITIAL/LOGO | | ABBREVIATIONS |
|---|---|---|
| E | EC | ERROR TORQUE CONTROL |
| | ECR | ERROR TORQUE CONTROL REFERENCE |
| | ENCSEL | ENCODER SELECT |
| | ETMCLK | EXTERNAL M CLOCK (81MHz/ |
| | ETSCLK | 40.5MHz) |
| | | EXTERNAL S CLOCK (54MHz) |
| F | FBAL | FOCUS BALANCE |
| | FCLK | FRAME CLOCK |
| | FE | FOCUS ERROR |
| | FFI | FOCUS ERROR AMP INVERTED |
| | FEO | INPUT |
| | FG | FOCUS ERROR AMP OUTPUT |
| | FSC | FREQUENCY GENERATOR |
| | FSCK | FREQUENCY SUB CARRIER |
| | | FS (384 OVER SAMPLING) |
| | | CLOCK |
| G | GND | COMMON GROUNDING (EARTH) |
| H | HA0~UP | HOST ADDRESS |
| | HD0~UP | HOST DATA |
| | HINT | HOST INTERRUPT |
| | HRXW | HOST READ/WRITE |

| INITIAL/LOGO | | ABBREVIATIONS |
|---|---|---|
| I | IECOUT | IEC958 FORMAT DATA OUTPUT |
| | IPFRAG | |
| | IREF | INTERPOLATION FLAG |
| | ISEL | I (CURRENT) REFERENCE |
| | | INTERFACE MODE SELECT |
| L | LDON | LASER DIODE CONTROL |
| | LPC | LASER POWER CONTROL |
| | LRCK | L CH/R CH DISTINCTION CLOCK |
| M | MA0~UP | MEMORY ADDRESS |
| | MCK | MEMORY CLOCK |
| | MCKI | MEMORY CLOCK INPUT |
| | MCLK | MEMORY SERIAL COMMAND CLOCK |
| | MDATA | MEMORY SERIAL COMMAND DATA |
| | MDQ0~UP | MEMORY DATA INPUT/OUTPUT |
| | MDQM | MEMORY DATA I/O MASK |
| | MLD | MEMORYSERIAL COMMAND LOAD |
| | MPEG | MOVING PICTURE EXPERTS GROUP |
| O | ODC | OPTICAL DISC CONTROLLER |
| | OFTR | OFF TRACKING |
| | OSCI | OSCILLATOR INPUT |
| | OSCO | OSCILLATOR OUTPUT |
| | OSD | ON SCREEN DISPLAY |
| P | P1~UP | PORT |
| | PCD | CD TRACKING PHASE DIFFERENCE |
| | PCK | PLL CLOCK |
| | PDVD | DVD TRACKING PHASE DIFFERENCE |
| | PEAK | CAP. FOR PEAK HOLD |
| | PLLCLK / PLLOK | CHANNEL PLL CLOCK PLL LOCK |
| | PWMCTL | PWM OUTPUT CONTROL |
| | PWMDA | PULSE WAVE MOTOR DRIVEA |
| | PWMOA, B | PULSE WAVE MOTOR OUT A, B |

| INITIAL/LOGO | | ABBREVIATIONS |
|---|---|---|
| R | RE | READ ENABLE |
| | RFENV | RF ENVELOPE |
| | RFO | RF PHASE DIFFERENCE |
| | RS | OUTPUT |
| | RSEL | (CD-ROM) REGISTER SELECT |
| | RST | RF POLARITY SELECT |
| | RSV | RESET |
| | | RESERVE |
| S | SBI0, 1 | SERIAL DATA INPUT |
| | SBO0 | SERIAL DATA OUTPUT |
| | SBT0, 1 | SERIAL CLOCK |
| | SCK | SERIAL DATA CLOCK |
| | SCKR | AUDIO SERIAL CLOCK |
| | SCL | RECEIVER |
| | SCLK | SERIAL CLOCK |
| | SDA | SERIAL CLOCK |
| | SEG0~UP | SERIAL DATA |
| | SELCLK | FL SEGMENT OUTPUT |
| | SEN | SELECTCLOCK |
| | SIN1, 2 | SERIAL PORT ENABLE |
| | SOUT1, 2 | SERIAL DATA IN |
| | SPDI | SERIAL DATA OUT |
| | SPDO | SERIAL PORT DATA INPUT |
| | SPEN | SERIAL PORT DATA OUTPUT |
| | SPRCLK | SERIAL PORT R/W ENABLE |
| | SPWCLK | SERIAL PORT READ CLOCK |
| | SQCK | SERIAL PORT WRITE CLOCK |
| | SQCX | SUB CODE Q CLOCK |
| | SRDATA | SUBCODE Q DATA READ |
| | SRMADR | CLOCK |
| | SRMDT0~7 | SERIAL DATA |
| | | SRAM ADDRESS BUS |
| | SS | SRAM DATA BUS 0~7 |
| | STAT | START/STOP |
| | STCLK | STATUS |
| | STD0~UP | STREAM DATA CLOCK |
| | STENABLE | STREAM DATA |
| | | STREAM DATA INPUT ENABLE |
| | STSEL | STREAM DATA POLARITY |
| | STVALID | SELECT |
| | SUBC | STREAM DATAVALIDITY |
| | SBCK | SUB CODE SERIAL |
| | SUBQ | SUB CODE CLOCK |
| | SYSCLK | SUB CODE Q DATA |
| | | SYSTEM CLOCK |

| | | |
|---|---|---|
| | | SYSTEM CLOCK |

| INITIAL/LOGO | | ABBREVIATIONS |
|---|---|---|
| T | TE | TRACKING ERROR |
| | TIBAL | BALANCE CONTROL |
| | TID | BALANCE OUTPUT 1 |
| | TIN | BALANCE INPUT |
| | TIP | BALANCE INPUT |
| | TIS | BALANCE OUTPUT 2 |
| | TPSN | OP AMP INPUT |
| | TPSO | OP AMP OUTPUT |
| | TPSP | OP AMP INVERTED INPUT |
| | TRCRS | TRACK CROSSSIGNAL |
| | TRON | TRACKING ON |
| | TRSON | TRAVERSE SERVO ON |

| INITIAL/LOGO | | ABBREVIATIONS |
|---|---|---|
| V | VBLANK | V BLANKING |
| | VCC | COLLECTOR POWER SUPPLY VOLTAGE |
| | VCDCONT | VIDEO CD CONTROL (TRACKING BALANCE) |
| | VDD | DRAIN POWER SUPPLY VOLTAGE |
| | VFB | VIDEO FEED BACK |
| | VREF | VOLTAGE REFERENCE |
| | VSS | SOURCE POWER SUPPLYVOLTAGE |
| W | WAIT | BUS CYCLE WAIT |
| | WDCK | WORD CLOCK |
| | WEH | WRITE ENABLE HIGH |
| | WSR | WORD SELECT RECEIVER |

| INITIAL/LOGO | | ABBREVIATIONS |
|---|---|---|
| X | X | X' TAL |
| | XALE | X ADDRESS LATCH ENABLE |
| | XAREQ | X AUDIO DATA REQUEST |
| | XCDROM | X CD ROM CHIP SELECT |
| | XCS | X CHIP SELECT |
| | XCSYNC | X COMPOSITE SYNC |
| | XDS | X DATA STROBE |
| | XHSYNCO | X HORIZONTAL SYNC OUTPUT |
| | XHINT | XH INTERRUPTREQUEST |
| | XI | X' TAL OSCILLATOR INPUT |
| | XINT | X INTERRUPT |
| | XMW | X MEMORY WRITE ENABLE |
| | XO | X' TAL OSCILLATOR OUTPUT |
| | XRE | X READ ENABLE |
| | XSRMCE | X SRAM CHIP ENABLE |
| | XSRMOE | X SRAM OUTPUT ENABLE |
| | XSRMWE | X SRAM WRITE ENABLE |
| | XVCS | X V-DEC CHIPSELECT |
| | XVDS | X V-DEC CONTROL BUS |
| | XVSYNCO | STROBE |
| | | X VERTICAL SYNC OUTPUT |

### 19.2. VHS

# 20. Block Diagram

### 20.1. Power Supply Block Diagram

### 20.2. Digital I/F Regulator Block Diagram

### 20.3. Digital I/F Timer Block Diagram

### 20.4. System Control, Servo & Timer Block Diagram

### 20.5. Audio Block Diagram

### 20.6. Video Block Diagram

### 20.7. Digital Block Diagram

### 20.8. Digital Block IC Pin Terminal Chart

# 21. Schematic Diagram

### 21.1. Interconnection Schematic Diagram

21.2. Power Supply Section (Power & Digital I/F P.C.B.(1/2)) Schematic Diagram (P)

21.3. Digital I/F Section (Power & Digital I/F P.C.B.(2/2)) Schematic Diagram (D)

21.4. Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram (S)

21.5. Hi-Fi Audio Section (Main P.C.B.(2/3)) Schematic Diagram (A)

21.6. Video Section (Main P.C.B.(3/3)) Schematic Diagram (V)

21.7. Glue Net Section (Digital P.C.B.(1/4)) Schematic Diagram (GN)

21.8. AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)

21.9. AV Decoder/Main CPU Section (Digital P.C.B.(3/4)) Schematic Diagram (MC)

21.10. Audio I/O Section (Digital P.C.B.(4/4)) Schematic Diagram (AI)

21.11. A/V I/O Schematic Diagram

21.12. VIF Decoder (A) Schematic Diagram (For DVD)

21.13. Nicam Decoder (A) Schematic Diagram (For DVD)

21.14. VIF Decoder (B) Schematic Diagram (For VHS)

21.15. Nicam Decoder (B) Schematic Diagram (For VHS)

21.16. FL Drive Schematic Diagram

21.17. Front Jack Schematic Diagram

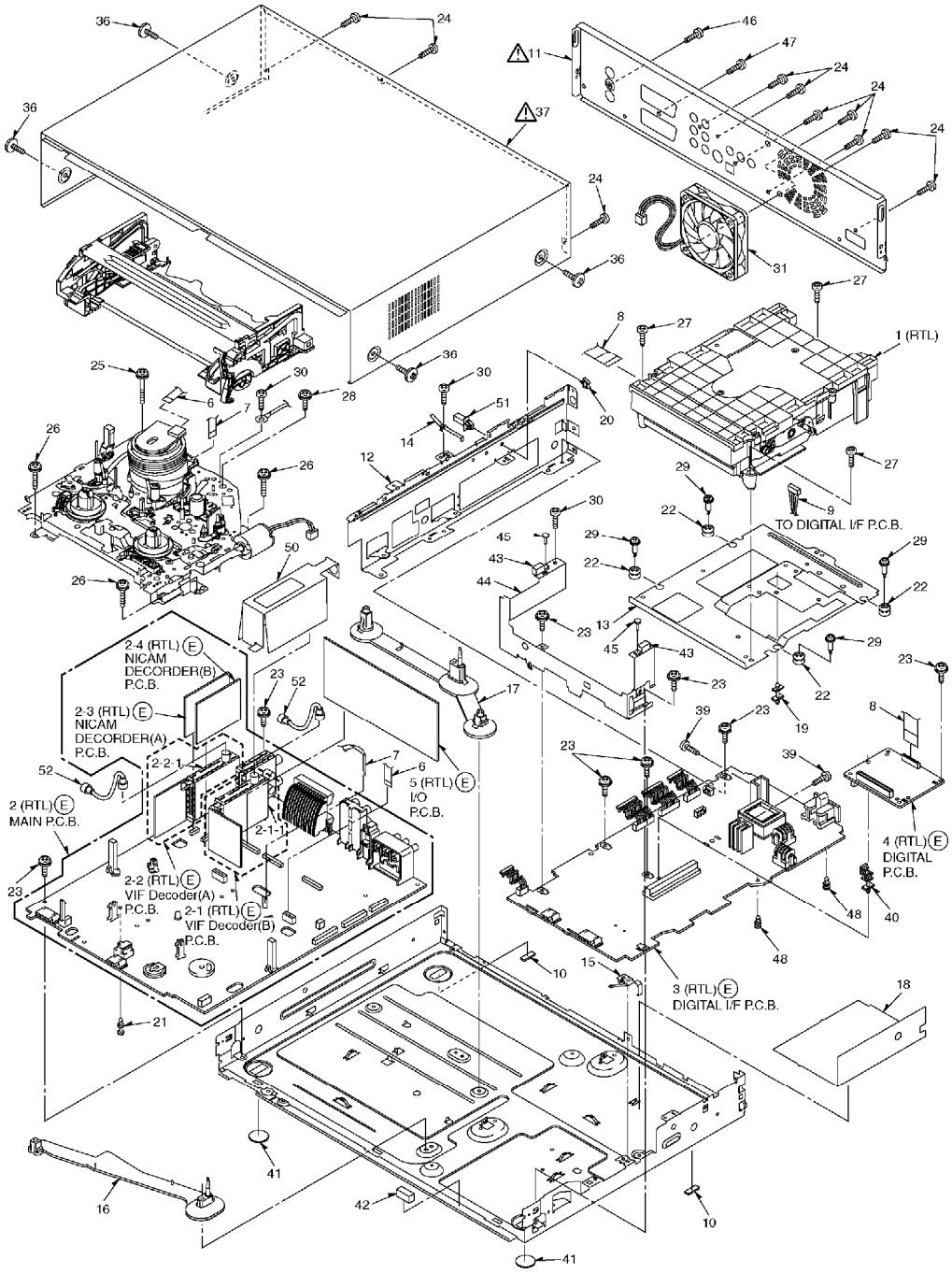
# 22. Print Circuit Board

## 22.1. Power & Digital I/F P.C.B

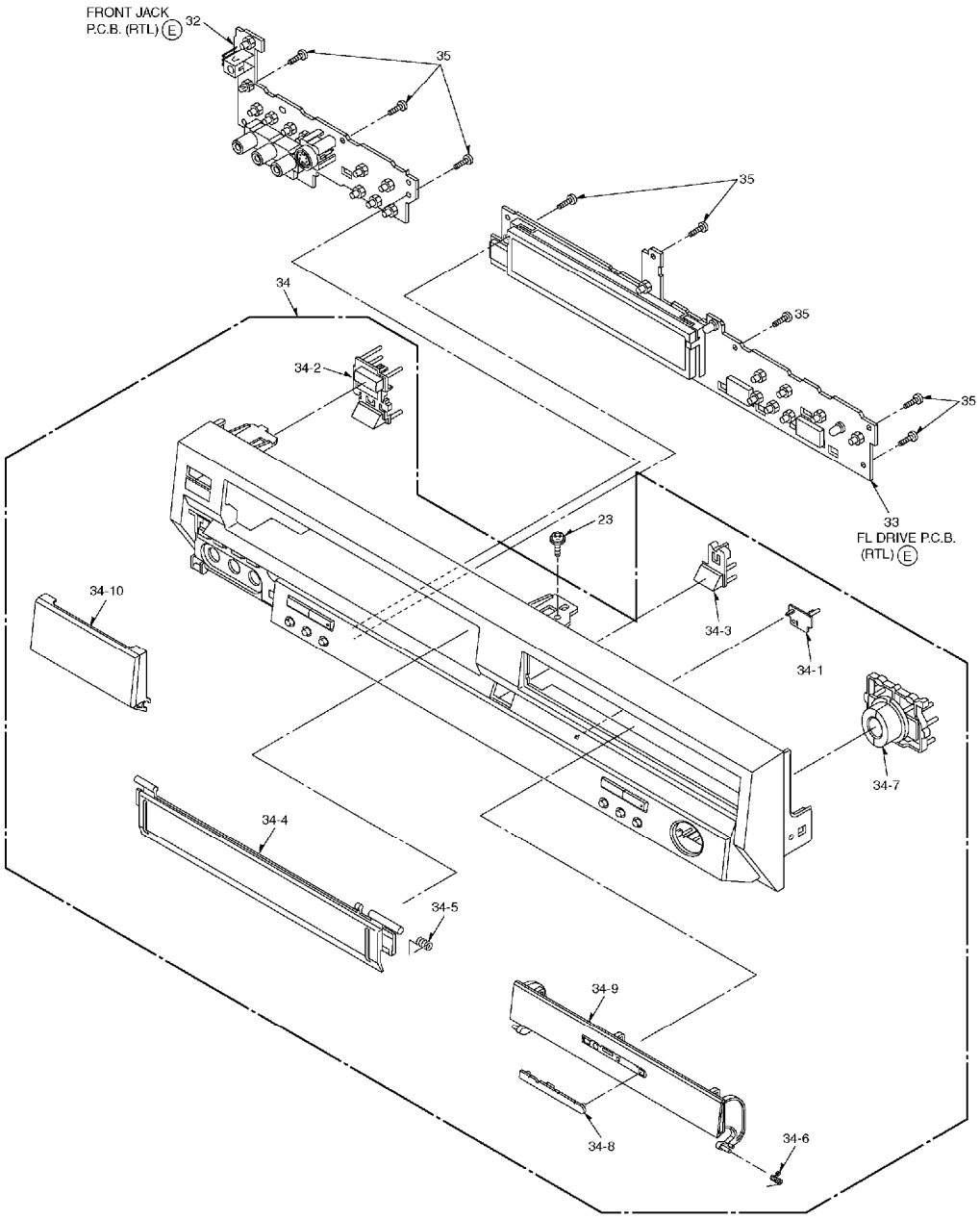
### 22.1.1. Power & Digital I/F P.C.B. Address Information

## 22.2. Main P.C.B.

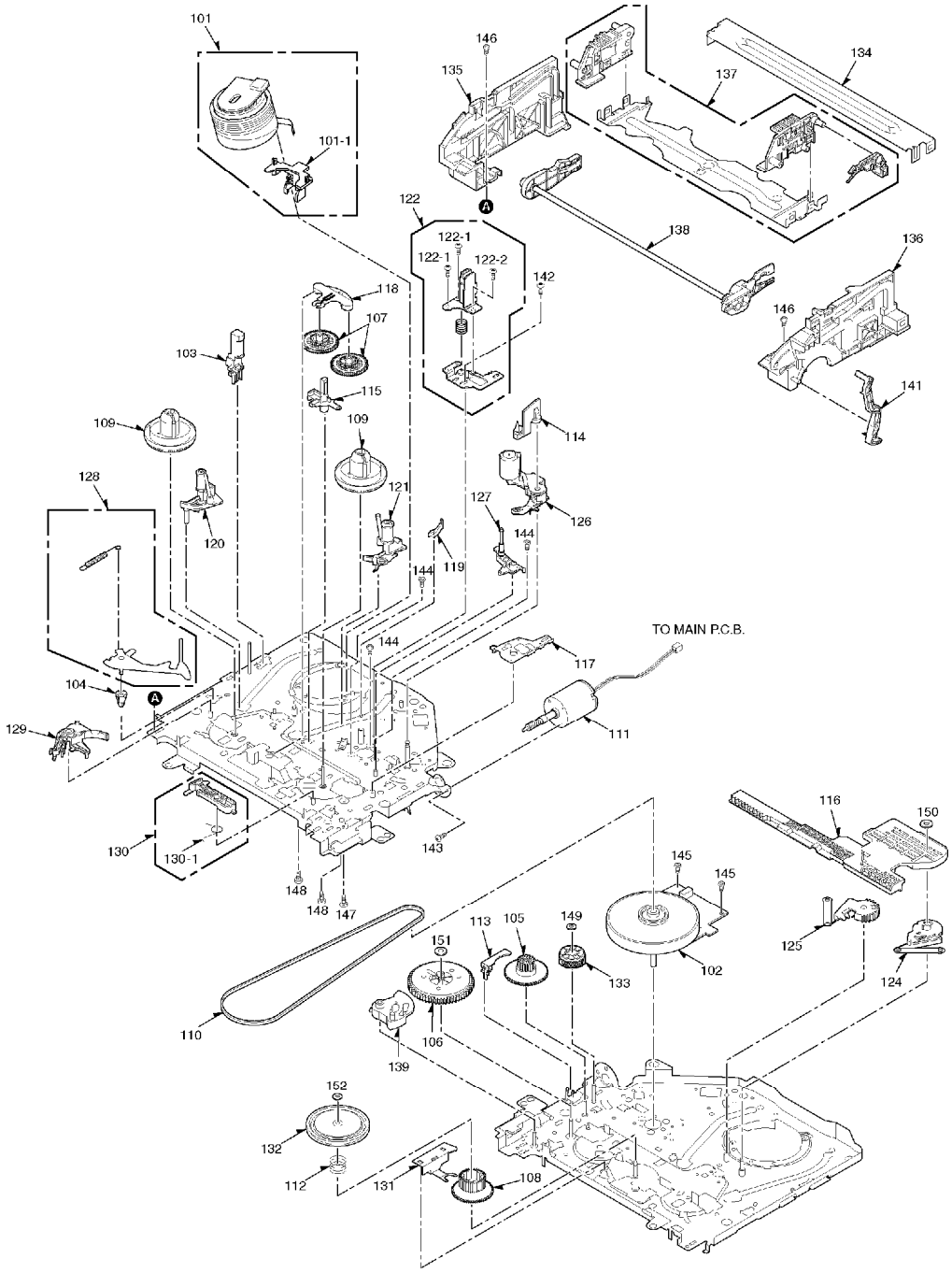
22.2.1. Main P.C.B. (1/4 Section)
22.2.2. Main P.C.B. (2/4 Section)
22.2.3. Main P.C.B. (3/4 Section)
22.2.4. Main P.C.B. (4/4 Section)
22.2.5. Main P.C.B. Address Information
22.3. Digital P.C.B.
22.3.1. Digital P.C.B. (Component Side)
22.3.2. Digital P.C.B. (Foil Side)
22.3.3. Digital P.C.B. Address Information
22.4. I/O P.C.B.
22.5. VIF Decoder (A) P.C.B. (For DVD)
22.6. Nicam Decoder (A) P.C.B. (For DVD)
22.7. VIF Decoder (B) P.C.B. (For VHS)
22.8. Nicam Decoder (B) P.C.B. (For VHS)
22.9. FL Drive & Front Jack P.C.B.
23. Exploded Views
23.1. Casing Parts & Mechanism Section 1


2-4 (RTL) (E) NICAM DECORDER(B) P.C.B.
2-3 (RTL) (E) NICAM DECORDER(A) P.C.B.
2 (RTL) (E) MAIN P.C.B.
2-2 (RTL) (E) VIF Decoder(A) P.C.B.
2-1 (RTL) (E) VIF Decoder(B) P.C.B.
5 (RTL) (E) I/O P.C.B.
1 (RTL)
TO DIGITAL I/F P.C.B.
4 (RTL) (E) DIGITAL P.C.B.
3 (RTL) (E) DIGITAL I/F P.C.B.

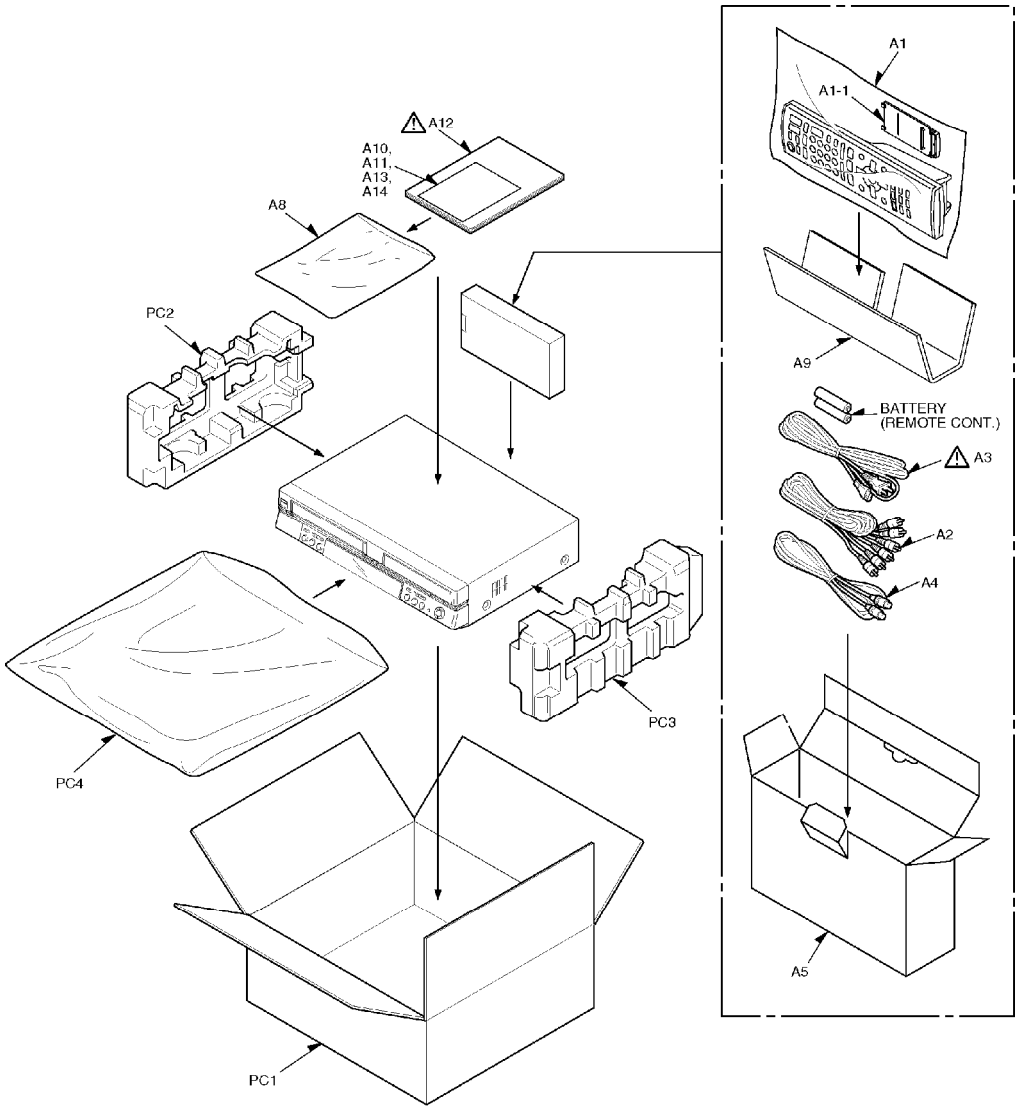
## 23.2. Casing Parts & Mechanism Section 2




## 23.3. VHS Mechanism Section




## 23.4. Packing & Accessories Section




# 24. Replacement Parts List

**Notes:**

***Important safety notice:**

**Components identified by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.**

**When replacing any of components, be sure to use only manufactures specified parts shown in the parts list.**

***Warning: This product uses a laser diode. Refer to caution statements.**

***Capacity values are in microfarads ( μ F) unless specified otherwise, P=Pico-farads (pF), F= Farads (F).**

***Resistance values are in ohms, unless specified otherwise, 1K=1,000 (OHM), 1M=1,000k (OHM).**

***The marking (RTL) indicates the retention time is limited for this item. After the discontinuation of this assembly in production, it will no longer be available.**

***"<IA>"-"<IH>" marks in Remarks indicate languages of instruction manual. [<IA>: English, <IB>: German, <IC>: French, <ID>:Spanish, <IE>: English, <IF>: Italian, <IG>: Netherlands, <IH>:**

**Swedish/ Danish]**
***All parts are supplied by S.P.C..**

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| | | | | |
| ■ | 01 | CASING/ACCESSORY/PACKING | | |
| | | | | |
| 1 | VXY1813 | RAM DRIVE UNIT | 1 | (RTL) |
| 2 | VEP06F79A | MAIN P.C.B. | 1 | (RTL)EG |
| 2 | VEP06F79B | MAIN P.C.B. | 1 | (RTL)EB |
| 2-1 | VEP07A71G | VHS VIF P.C.B. | 1 | (RTL)EG |
| 2-1 | VEP07A71H | VHS VIF P.C.B. | 1 | (RTL)EB |
| 2-1-1 | VMP7997 | CONNECTING ANGLE | 1 | |
| 2-2 | VEP07A71J | HI-FI VIF P.C.B. | 1 | (RTL)EG |
| 2-2 | VEP07A71K | HI-FI VIF P.C.B. | 1 | (RTL)EB |
| 2-2-1 | VMP5897 | CONNECTING ANGLE | 1 | |
| 2-3 | VEP07A51A | NICAM DECORDER P.C.B. | 1 | (RTL)EB |
| 2-3 | VEP07A51C | NICAM DECORDER P.C.B. | 1 | (RTL)EG |
| 2-4 | VEP07A51B | VHS DECORDER P.C.B. | 1 | (RTL)EB |
| 2-4 | VEP07A51D | VHS DECORDER P.C.B. | 1 | (RTL)EG |
| 3 | VEP09132A | DIGITAL IF P.C.B. | 1 | (RTL) |
| 4 | REP3717H | DIGITAL P.C.B. | 1 | EG |
| 4 | RFKBE75VEB | DIGITAL P.C.B. | 1 | EB |
| 5 | VEP03G68A | I/O P.C.B. | 1 | (RTL)EG |
| 5 | VEP03G68B | I/O P.C.B. | 1 | (RTL)EB |
| 6 | VWJ1727 | FFC(8P) | 1 | |
| 7 | VWJ1728 | FFC(6P) | 1 | |
| 8 | VWJ1743 | FFC(42P) | 1 | |
| 9 | VEE0Z49 | WIRE WITH CONNECTOR(4P) | 1 | |
| 10 | VKA0382 | FOOT | 2 | |
| 11 | VMP7971 | REAR PANEL | 1 | EG ⚠ |
| 11 | VMP7972 | REAR PANEL | 1 | EB ⚠ |
| 12 | VMP7968 | CENTER ANGLE | 1 | |
| 13 | VMP7976 | DVD ANGLE | 1 | |
| 14 | VMC1942 | EARTH SPRING(DVD) | 1 | |
| 15 | VMC1937 | EARTH SPRING(DIGITAL) | 1 | |
| 16 | VMX3115 | MECHA SPACER(F) | 1 | |
| 17 | VMX3229 | MECHA SPACER(R) | 1 | |
| 18 | VMZ3445 | BARRIER | 1 | |
| 19 | VKC0392 | SPACER | 1 | |
| 20 | VJF0442 | CLAMPER | 1 | |
| 21 | VKC0554 | PCB SPACER | 1 | |
| 22 | VMG1455 | HDD DUMPER | 4 | |
| 23 | RHD30111 | SCREW | 9 | |
| 24 | VHD0690 | SCREW | 10 | |
| 25 | VHD1452 | SCREW | 1 | |
| 26 | VHD1453 | SCREW | 3 | |
| 27 | RHD30115 | SCREW | 3 | |
| 28 | VHD1092 | SCREW | 1 | |
| 29 | VHD1662 | SCREW | 4 | |
| 30 | XTV26+6F | SCREW | 3 | |
| 31 | L6FALCCE0006 | FAN MOTOR | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| 32 | VEP04868C | FRONT JACK P.C.B. | 1 | (RTL) |
| 33 | VEP07A74C | FL DRIVE P.C.B. | 1 | (RTL) |
| 34 | VYP8965 | FRONT PANEL ASS'Y1 | 1 | EG |
| 34 | VYP8966 | FRONT PANEL ASS'Y1 | 1 | EB |
| 34-1 | VGL1100 | PANEL LIGHT | 1 | |
| 34-2 | VGU9602 | POWER BUTTON | 1 | |
| 34-3 | VGU9603 | EJECT BUTTON(DVD) | 1 | |
| 34-4 | VKF3897 | BLINDER PANEL | 1 | |
| 34-5 | VMB2521 | BLINDER SPRING | 1 | |
| 34-6 | VMB3410 | TRAY SPRING | 1 | |
| 34-7 | VXU1634 | DUB BUTTON ASS'Y | 1 | |
| 34-8 | VGB0617 | DVD RECORDING BADGE | 1 | |
| 34-9 | VKF3879 | TRAY DOOR | 1 | |
| 34-10 | VYF2990 | DOOR ASS'Y | 1 | |
| 35 | XTBS26+8J | SCREW | 8 | |
| 36 | RHD30113 | SCREW | 4 | |
| 37 | VGM2077 | TOP PANEL | 1 | ⚠ |
| 39 | XTN3+8G | SCREW | 2 | |
| 40 | VKC0612 | PCB SPACER | 1 | |
| 41 | VKA0385 | LEG | 2 | |
| 42 | K4ZZZZ000006 | GASKET | 1 | |
| 43 | K4ZZZZ000008 | GASKET | 2 | |
| 44 | VMP8102 | FRONT SHIELD | 1 | |
| 45 | VGQ8142 | PUSH RIVETS | 2 | |
| 46 | XSN3+4FZ | SCREW | 1 | |
| 47 | XTB4+10GFZ | SCREW | 1 | |
| 48 | VKC0295 | PCB HOLDER | 2 | |
| 50 | VMZ3488 | TUNER BARRIER | 1 | |
| 51 | VMP4985 | CARD CORNER HOLDER | 1 | |
| 52 | K2KA29A00011 | CABLE | 2 | |
| 101 | VEG1648KIT | RDD CYLINDER ASS'Y | 1 | |
| 101-1 | VMD4983 | FPC HOLDER | 1 | |
| 102 | VEM0750T | CAPSTAN MOTOR | 1 | |
| 103 | L1AZ00000004 | FE HEAD UNIT | 1 | |
| 104 | VDB1431 | TENSION ARM BOSH | 1 | |
| 105 | VDG1510 | INTERMEDIATE GEAR | 1 | |
| 106 | VDG1511 | MAIN CAM GEAR | 1 | |
| 107 | VDG1512 | IDLER GEAR | 2 | |
| 108 | VDG1514 | CHANGE GEAR | 1 | |
| 109 | VDR0372 | REEL TABLE | 2 | |
| 110 | VDV0391 | CAPSTAN BELT | 1 | |
| 111 | VEM0797 | LOADING MOTOR | 1 | |
| 112 | VMB3550 | CHANGING GEAR SPRING | 1 | |
| 113 | VMD4249 | SCREW | 1 | |
| 114 | VMD4252 | OPENER PIECE | 1 | |
| 115 | VMD4253 | LED PRISM | 1 | |
| 116 | VML3624 | MAIN LEVER | 1 | |
| 117 | VML3626 | PINCH CHARGE ARM | 1 | |
| 118 | VML3632 | IDLER ARM | 1 | |
| 119 | VMX3092 | P4 CAP | 1 | |
| 120 | VXA7105 | S SHAFT HOLDER | 1 | |
| 121 | VXA7106 | T SHAFT HOLDER | 1 | |
| 122 | L1AE00000036 | AC HEAD ASS'Y | 1 | |
| 122-1 | VHD1066 | SCREW | 2 | |

| | | | | |
|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | 2 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| 122-2 | VHD1185 | SCREW | 1 | |
| 124 | VXL3107 | S LOADING ARM | 1 | |
| 125 | VXL3108 | T LOADING ARM | 1 | |
| 126 | VXL3109 | PINCH ARM | 1 | |
| 127 | VXL3110 | P5 ARM | 1 | |
| 128 | VXL3111 | TENSION ARM | 1 | |
| 129 | VXL3112 | S BRAKE ARM | 1 | |
| 130 | VXL3113 | T BRAKE ARM | 1 | |
| 130-1 | VMB3548 | T BRAKE SPRING | 1 | |
| 131 | VXL3124 | CHANGING LEVER | 1 | |
| 132 | VXP2133 | CENTER CLUTCH | 1 | |
| 133 | VXP2168 | TORQUE CLUTCH | 1 | |
| 134 | VMA0L25 | TOP PLATE | 1 | |
| 135 | VMD4255 | SIDE PLATE L | 1 | |
| 136 | VMD4254 | SIDE PLATE R | 1 | |
| 137 | VXA7110 | CASSETTE HOLDER UNIT | 1 | |
| 138 | VXL3160 | MAIN SHAFT | 1 | |
| 139 | VXA7311 | SECTOR GEAR | 1 | |
| 141 | VML3706 | OPENER LEVER | 1 | |
| 142 | VHD1044 | SCREW | 1 | |
| 143 | XYN3+C4 | SCREW | 1 | |
| 144 | XTN26+7J | SCREW | 3 | |
| 145 | XTV26+5F | SCREW | 2 | |
| 146 | XTV26+8FR | SCREW | 2 | |
| 147 | VHD1095 | SCREW | 1 | |
| 148 | VHD1117 | SCREW | 2 | |
| 149 | VMX2208 | WASHER | 1 | |
| 150 | VMX3114 | WASHER | 1 | |
| 151 | VMX2699 | WASHER | 1 | |
| 152 | VMX3196 | WASHER | 1 | |
| | | | | |
| A1 | EUR7721X30 | REMOTE CONTROL ASS'Y | 1 | |
| A1-1 | UR77EC2003A | BATTERY COVER | 1 | |
| A2 | K2KA6CA00001 | AV CORD | 1 | |
| A3 | RJA0053-3X | AC CORD | 1 | EB ⚠ |
| A3 | VJA0664 | AC CORD | 1 | K2CR2DA00004 EG ⚠ |
| A4 | VJA1089 | RF COAXIAL CABLE | 1 | K1TWACC00001 |
| A5 | RPQF0254 | ACCESSORY CASE | 1 | |
| A8 | RPF0378 | POLYETHYLENE BAG(F.B.) | 1 | |
| A9 | RPQ1594 | PAD | 1 | |
| A10 | RQCA1073 | DISC CAUTION SHEET | 1 | EG |
| A10 | RQCA1110 | DISC CAUTION SHEET | 1 | EB |
| A11 | RQCC2041 | DVD MEDIA SHEET | 1 | |
| A12 | VQT0H79 | OPERATING INSTRUCTIONS | 1 | <IA>EG ⚠ |
| A12 | VQT0H80 | OPERATING INSTRUCTIONS | 1 | <IB>EG ⚠ |
| A12 | VQT0H81 | OPERATING INSTRUCTIONS | 1 | <IC>EG ⚠ |
| A12 | VQT0H82 | OPERATING INSTRUCTIONS | 1 | <ID>EG ⚠ |
| A12 | VQT0H83 | OPERATING INSTRUCTIONS | 1 | <IE>EB ⚠ |
| A12 | VQT0K43 | OPERATING INSTRUCTIONS | 1 | <IF>EG ⚠ |
| A12 | VQT0K44 | OPERATING INSTRUCTIONS | 1 | <IG>EG ⚠ |
| A12 | VQT0K45 | OPERATING INSTRUCTIONS | 1 | <IH>EG ⚠ |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| A13 | VQC4663 | SETUP GUIDE | 1 | EB |
| A14 | VQC4901 | REMOTE CONT.SHEET | 1 | |
| | | | | |
| PC1 | RPG7122 | PACKING CASE | 1 | EG |
| PC1 | RPG7124 | PACKING CASE | 1 | EB |
| PC2 | RPN1705A | CUSHION(L) | 1 | EB |
| PC2 | RPN1735A | CUSHION(L) | 1 | EG |
| PC3 | RPN1705B | CUSHION(R) | 1 | EB |
| PC3 | RPN1735B | CUSHION(R) | 1 | EG |
| PC4 | VPF0505 | POLYETHYLENE BAG(UNIT) | 1 | |
| | | | | |
| ■ | 02 | VEP06F79A/B | | (MAIN P.C.B.) |
| | | | | |
| C2001 | ECJ1VC1H330J | 50V 33P | 1 | |
| C2003 | ECJ1VF1A105Z | 10V 1U | 1 | |
| C2051 | ECEA0JKN220 | 6.3V 22U | 1 | |
| C2053 | F2A1V100A184 | 35V 10U | 1 | |
| C2054 | ECJ1VB1H392K | 50V 3900P | 1 | |
| C2055 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C2099 | ECJ1XC1H681J | 50V 680 | 1 | ECJ1VC1H681J |
| C2501 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C2502 | F2A0J221A245 | 6.3V 220U | 1 | |
| C2504,05 | ECJ1VB1E223K | 25V 0.022U | 2 | |
| C2506 | ECJ1VB1A224K | 10V 0.22U | 1 | |
| C2507 | ECJ1VB1H102K | 50V 1000P | 1 | |
| C2508 | ECJ1VB1H182K | 50V 1800P | 1 | |
| C2509 | ECEA1CKA220 | 16V 22U | 1 | |
| C2510-12 | ECJ1XB1C104K | 16V 0.1U | 3 | |
| C2513 | ECJ1VF1A105Z | 10V 1U | 1 | |
| C2515 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C2518,19 | ECJ1VF1H103Z | 50V 0.01U | 2 | |
| C2551,52 | ECJ1VB1C563K | 16V 0.056U | 2 | |
| C2561,62 | ECJ1VB1C563K | 16V 0.056U | 2 | |
| C2571 | ECA1EM221 | 25V 220U | 1 | |
| C3001 | ECJ1VC1H151J | 50V 150P | 1 | |
| C3003 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C3004 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C3005 | ECJ1VC1H270J | 50V 27P | 1 | |
| C3006 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C3007,08 | ECJ1VB0J105K | 6.3V 1U | 2 | |
| C3009 | ECEA1HKA4R7 | 50V 4.7U | 1 | |
| C3010 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C3011 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C3012 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C3013 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C3015 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C3016 | ECJ1VC1H470J | 50V 47P | 1 | |
| C3017 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C3018 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C3019 | ECEA1CKS100 | 16V 10U | 1 | |
| C3020 | ECJ1VC1H331J | 50V 330P | 1 | |
| C3021 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C3023 | ECEA1HKS3R3 | 50V 3.3U | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| C3024 | ECJ1VB1H103K | 50V 0.01U | 1 | |
| C3026 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C3027-30 | ECJ1XB1C104K | 16V 0.1U | 4 | |
| C3033 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C3034 | ECEA1HKS010 | 50V 1U | 1 | |
| C3036 | ECEA1HKA4R7 | 50V 4.7U | 1 | |
| C3037 | ECEA1HKAR47B | 50V 0.47U | 1 | |
| C3038 | ECJ1VB1E223K | 25V 0.022U | 1 | |
| C3039 | ECJ1VB1C333K | 16V 0.033U | 1 | |
| C3040 | ECEA1HKS2R2 | 50V 2.2U | 1 | |
| C3041 | ECJ1VB1E223K | 25V 0.022U | 1 | |
| C3042 | ECJ2FB0J335K | 6.3V 3.3U | 1 | |
| C3043 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C3044 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C3045 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C3046 | ECJ1VC1H030C | 50V 3P | 1 | |
| C3047 | ECEA1HKS010 | 50V 1U | 1 | |
| C3048,49 | ECJ1VF1H103Z | 50V 0.01U | 2 | |
| C3050 | ECJ1VF1A105Z | 10V 1U | 1 | |
| C3051 | ECJ1VB1A105K | 10V 1U | 1 | |
| C3052 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C3053 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C3056 | ECJ1VC1H100C | 50V 10P | 1 | |
| C3080 | ECJ1VB1H103K | 50V 0.01U | 1 | |
| C3501 | ECJ2YB0J475K | 6.3V 4.7U | 1 | F1J0J4750004 |
| C3502 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C3503 | ECJ2YB0J475K | 6.3V 4.7U | 1 | F1J0J4750004 |
| C3504 | F1H1H271A832 | 50V 270 | 1 | |
| C3505,06 | ECJ2YB0J475K | 6.3V 4.7U | 2 | F1J0J4750004 |
| C3507 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C3508 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C3509 | ECJ2YB0J475K | 6.3V 4.7U | 1 | F1J0J4750004 |
| C3510 | F1H1H8200004 | 50V 82 | 1 | |
| C3511,12 | F1H1H271A832 | 50V 270 | 2 | |
| C3513 | F1H1H221A832 | 50V 220 | 1 | |
| C3514 | ECJ2YB0J475K | 6.3V 4.7U | 1 | F1J0J4750004 |
| C3515 | ECJ1VC1H220J | 50V 22P | 1 | |
| C3516,17 | ECJ1VC1H560J | 50V 56P | 2 | |
| C3518 | ECJ1VC1H220J | 50V 22P | 1 | |
| C3901 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C3902 | ECEA1CKS100 | 16V 10U | 1 | |
| C3903 | ECEA1CKA470 | 16V 47U | 1 | |
| C3904 | ECJ1VB1A105K | 10V 1U | 1 | |
| C3905 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C3906 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C3907 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C3908,09 | ECJ1VC1H470J | 50V 47P | 2 | |
| C3910,11 | ECJ1VC1H471J | 50V 470P | 2 | |
| C3912,13 | ECJ1VC1H101J | 50V 100P | 2 | |
| C3914,15 | ECJ1VC1H470J | 50V 47P | 2 | |
| C3916,17 | ECJ1VC1H101J | 50V 100P | 2 | |
| C3918,19 | ECJ1VC1H471J | 50V 470P | 2 | |
| C3920,21 | ECA1HAK010XI | 50V 1U | 2 | |
| C3922 | ECJ1VB1H103K | 50V 0.01U | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| C3923 | ECA1CAK101XB | 16V 100U | 1 | |
| C3924 | ECJ1VB1H103K | 50V 0.01U | 1 | |
| C3925 | F2A1C101A243 | 16VF 100U | 1 | |
| C3926 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C3927 | ECJ1VB1H103K | 50V 0.01U | 1 | |
| C3928,29 | ECA1CAK100XB | 16V 10U | 2 | |
| C3930-33 | ECA1HAK010XI | 50V 1U | 4 | |
| C3934,35 | ECA1CAK100XB | 16V 10U | 2 | |
| C3936 | ECA0JAK331X | 6.3V 330U | 1 | |
| C3937 | ECJ1VB1H103K | 50V 0.01U | 1 | |
| C3938 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C3939 | F2A1A331A211 | 10V 330U | 1 | |
| C3940 | ECJ1VB1H103K | 50V 0.01U | 1 | |
| C3941 | ECEA1CKS100 | 16V 10U | 1 | |
| C3945 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C3946 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C3947,48 | ECJ1VB0J105K | 6.3V 1U | 2 | |
| C4001,02 | ECEA1CKS100 | 16V 10U | 2 | |
| C4003 | ECEA1HKS010 | 50V 1U | 1 | |
| C4004 | ECEA1CKS100 | 16V 10U | 1 | |
| C4005 | ECEA0JKS101 | 6.3V 100U | 1 | |
| C4007 | ECJ1VB1H222K | 50V 2200P | 1 | |
| C4008 | ECJ1VB1H182K | 50V 1800P | 1 | |
| C4009 | ECEA0JKS220 | 6.3V 22U | 1 | |
| C4010 | ECEA1EKS4R7 | 25V 4.7U | 1 | |
| C4011 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C4012 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C4014 | ECEA1HKA4R7 | 50V 4.7U | 1 | |
| C4015 | ECJ1VB1H682K | 50V 6800P | 1 | |
| C4016 | ECEA0JKS220 | 6.3V 22U | 1 | |
| C4017 | ECEA1HKS3R3 | 50V 3.3U | 1 | |
| C4018 | ECJ1VB1H182K | 50V 1800P | 1 | |
| C4020 | ECQB1H223JF | 50V 0.022U | 1 | |
| C4021 | ECJ1VC1H221J | 50V 220P | 1 | |
| C4022 | ECEA1AKS470 | 10V 47U | 1 | |
| C4023 | ECJ1VB1E223K | 25V 0.022U | 1 | |
| C4024 | ECJ1VB1H152K | 50V 1500P | 1 | |
| C4501-03 | ECEA1CKS100 | 16V 10U | 3 | |
| C4504 | ECQB1H473JF3 | 50V 0.047U | 1 | |
| C4505 | ECEA1AKS330 | 10V 33U | 1 | |
| C4508 | ECEA1CKS100 | 16V 10U | 1 | |
| C4509 | ECEA1CKS220 | 16V 22U | 1 | |
| C4510 | ECQB1H153JF3 | 50V 0.015U | 1 | |
| C4511 | ECJ1VB1C333K | 16V 0.033U | 1 | |
| C4512,13 | ECJ1VB1H103K | 50V 0.01U | 2 | |
| C4515 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C4516 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C4518 | ECJ1VB1A224K | 10V 0.22U | 1 | |
| C4519 | ECQB1H153JF3 | 50V 0.015U | 1 | |
| C4520 | ECEA0JKS220 | 6.3V 22U | 1 | |
| C4521 | ECEA1CKS100 | 16V 10U | 1 | |
| C4522 | ECEA1AKS330 | 10V 33U | 1 | |
| C4523 | ECQB1H473JF3 | 50V 0.047U | 1 | |
| C4524 | ECEA0JKS101 | 6.3V 100U | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| C4526 | ECEA1CKS100 | 16V 10U | 1 | |
| C4529,30 | ECEA1CKS100 | 16V 10U | 2 | |
| C4531 | ECEA1CKA470 | 16V 47U | 1 | |
| C4533 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C4534 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C4544 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C4545 | ECEA0JKS220 | 6.3V 22U | 1 | |
| C4546 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C4547 | ECEA1EKS4R7 | 25V 4.7U | 1 | |
| C4549 | ECEA1CKS100 | 16V 10U | 1 | EB |
| C5001-04 | ECJ1VB1H103K | 50V 0.01U | 4 | |
| C5005 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C5006 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C5007 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C6001 | ECJ1VC1H180J | 50V 18P | 1 | |
| C6002 | ECJ1VC1H220J | 50V 22P | 1 | |
| C6003 | ECJ1VC1H180J | 50V 18P | 1 | |
| C6004 | ECJ1VC1H220J | 50V 22P | 1 | |
| C6005 | ECEA1CKS100 | 16V 10U | 1 | |
| C6006 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C6007 | ECEA1AKS221 | 10V 220U | 1 | |
| C6008 | ECJ1VC1H471J | 50V 470P | 1 | |
| C6009-12 | ECJ1VF1H103Z | 50V 0.01U | 4 | |
| C6013 | ECJ1VF1A105Z | 10V 1U | 1 | |
| C6015 | ECJ1VB1C333K | 16V 0.033U | 1 | |
| C6016 | ECJ1VB1H102K | 50V 1000P | 1 | |
| C6017 | ECJ1VC1H561J | 50V 560P | 1 | |
| C6018 | ECJ1VC1H330J | 50V 33P | 1 | EG |
| C6019 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C6027 | ECJ1VB1C333K | 16V 0.033U | 1 | |
| C6028 | ECJ1VB1H222K | 50V 2200P | 1 | |
| C6029 | ECJ1VF1C474Z | 16V 0.47U | 1 | |
| C6030 | ECJ1VC1H151J | 50V 150P | 1 | |
| C6031 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C6032 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C6101 | ECJ2XF1H104Z | 50V 0.1U | 1 | |
| C6103 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C6111 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C6112,13 | ECJ1VC1H220J | 50V 22P | 2 | |
| C6201 | ECJ1VB1H682K | 50V 6800P | 1 | |
| C6302 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C6303 | ECEA0JKA470 | 6.3V 47U | 1 | |
| C6308 | ECEA0JKA470 | 6.3V 47U | 1 | |
| C7401 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C7402 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C7403 | ECJ2YB1A105K | 10V 1U | 1 | |
| C7404 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C7405,06 | ECJ1VF1C104Z | 16V 0.1U | 2 | |
| C7407 | ECJ2YB1A105K | 10V 1U | 1 | |
| C7412,13 | ECJ1VC1H330J | 50V 33P | 2 | |
| C7414 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C7415 | ECEA1HKS010 | 50V 1U | 1 | |
| C7417 | ECEA0JKS101 | 6.3V 100U | 1 | |
| C7418 | ECJ1VF1H103Z | 50V 0.01U | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| C7422 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C7424 | ECEA1HKS010 | 50V 1U | 1 | |
| C7425 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C7426 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C7427 | ECJ1VC1H471J | 50V 470P | 1 | EG |
| C7428 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C7430 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C7431,32 | ECJ1VF1H103Z | 50V 0.01U | 2 | EB |
| C7432 | ERJ3GEY0R00V | 1/10W 0 | 1 | EG |
| C7433 | ECEA0JKS470 | 6.3V 47U | 1 | EB |
| C7434 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C7435 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C7437-39 | ERJ3GEY0R00V | 1/10W 0 | 3 | |
| C7442,43 | ECJ1VC1H330J | 50V 33P | 2 | |
| C7445 | ECEA0JKS101 | 6.3V 100U | 1 | |
| C7446 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C7448 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C7449 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C7450 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C7452 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C7454 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C7455,56 | ECJ1VF1C104Z | 16V 0.1U | 2 | |
| C7457 | ECJ2YB1A105K | 10V 1U | 1 | |
| C7465,66 | ECJ1VC1H471J | 50V 470P | 2 | |
| C7476,77 | ECJ1VC1H471J | 50V 470P | 2 | |
| C7701 | VCE0073-T | CAPACITOR | 1 | F4D55473A005 |
| C7752 | ECEA1AKS221 | 10V 220U | 1 | |
| C7901 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C7902 | F2A1H100A146 | 50V 10U | 1 | |
| C7903 | ECJ1VF1H104Z | 50V 0.1U | 1 | |
| C7904 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C7905 | F2A1C221A019 | 16V 220U | 1 | |
| C7906 | ECQB1H473JF3 | 50V 0.047U | 1 | |
| C7907 | F2A1A1010072 | 10V 100U | 1 | |
| C7908 | ECQB1H103JZ | 50V 0.01U | 1 | |
| C7909,10 | F2A1H5600009 | 50V 56U | 2 | |
| C23001 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C23002 | ECEA0JKN470 | 6.3V 47U | 1 | |
| C23005 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C23006 | ECJ1VB1C333K | 16V 0.033U | 1 | |
| C23007 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C23008-11 | ECJ1VB1H103K | 50V 0.01U | 4 | |
| C23013-15 | ECJ1VB1H103K | 50V 0.01U | 3 | |
| C23016 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C23017 | ECJ1VB1H103K | 50V 0.01U | 1 | |
| C23018 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C23022 | ECA0JM102 | 6.3V 1000U | 1 | |
| C23023 | ECEA0JKS101 | 6.3V 100U | 1 | |
| C23024 | ECA0JM102 | 6.3V 1000U | 1 | |
| C23025 | ECEA0JKS101 | 6.3V 100U | 1 | |
| C23026 | ECA0JM102 | 6.3V 1000U | 1 | |
| C23027,28 | ECEA0JKS101 | 6.3V 100U | 2 | |
| C23029 | ECA0JM102 | 6.3V 1000U | 1 | |
| C23030 | ECEA0JKS101 | 6.3V 100U | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| C23031 | ECA0JM102 | 6.3V 1000U | 1 | |
| C23034 | ECJ1VB1H103K | 50V 0.01U | 1 | |
| C23035,36 | ECEA0JKS220 | 6.3V 22U | 2 | |
| C23043 | ECJ1VB1H103K | 50V 0.01U | 1 | |
| C23044 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C23056 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C23057 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C23061-63 | ECEA0JKS470 | 6.3V 47U | 3 | |
| C23901,02 | ECJ1VC1H470J | 50V 47P | 2 | |
| C23903,04 | ECJ1VC1H471J | 50V 470P | 2 | |
| C23905 | ECA0JM471G | 6.3V 470U | 1 | |
| C23917 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C24039,40 | ECJ1VC1H102J | 50V 1000P | 2 | |
| C24903 | F2A0J470A179 | 6.3V 47U | 1 | |
| C24904 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C24906 | ECJ1VC1H220J | 50V 22P | 1 | |
| C37501,02 | ECJ1VC1H221J | 50V 220P | 2 | |
| | | | | |
| D1501 | B3EA00000072 | LED | 1 | |
| D2001,02 | 1SS254 | DIODE | 2 | B0AAED000003 |
| D2501 | ERA15-02 | DIODE | 1 | B0EAKM000016 |
| D2502 | MAZ4160NMF | DIODE | 1 | |
| D3001 | 1SS254 | DIODE | 1 | B0AAED000003 |
| D3501 | 1SS254 | DIODE | 1 | B0AAED000003 |
| D3901 | MA3Z142D0RG | DIODE | 1 | |
| D3906 | 1SS254 | DIODE | 1 | B0AAED000003 |
| D4501 | 1SS254 | DIODE | 1 | B0AAED000003 |
| D4502 | MAZ4056NHF | DIODE | 1 | |
| D4503 | MAZ4130NLF | DIODE | 1 | |
| D6306 | MAZ4056NHF | DIODE | 1 | |
| D6401 | 1SS254 | DIODE | 1 | B0AAED000003 |
| D7401,02 | MA4300N-M | DIODE | 2 | MAZ4300NM |
| D7751 | B0JACE000001 | DIODE | 1 | |
| D7901 | MAZ4220NMF | DIODE | 1 | |
| D7902 | B0AAGM000003 | DIODE | 1 | B0AAGM000007 |
| D7903 | B0JAME000025 | DIODE | 1 | ⚠ |
| D7904,05 | MA2C18500E | DIODE | 2 | |
| D7906 | MA4300N-M | DIODE | 1 | MAZ4300NM |
| D24001 | MA3Z142D0RG | DIODE | 1 | |
| D37402 | 1SS355 | DIODE | 1 | B0ACCK000005 |
| | | | | |
| IC1511,12 | B3NAA0000049 | IC | 2 | |
| IC2501 | C1AB00001767 | IC | 1 | |
| IC3001 | C1AB00001839 | IC | 1 | |
| IC3002 | C0CBCDD00007 | IC | 1 | |
| IC3501 | C1AB00001681 | IC | 1 | |
| IC3502 | AN3293S-T1 | IC | 1 | |
| IC3901 | C0DBZJE00003 | IC | 1 | |
| IC3902 | C0CBCDD00006 | IC | 1 | |
| IC3903 | C1AB00001776 | IC | 1 | |
| IC3904 | C1AB00001935 | IC | 1 | |
| IC4501 | AN3656NFBPBV | IC | 1 | |
| IC6001 | C2CBJG000369 | IC | 1 | |
| IC6003 | M24C16-WBN6 | IC | 1 | C3EAGC000015 |

| | | | | |
|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| IC6004 | C1AB00001293 | IC | 1 | |
| IC6201 | C0EBH0000172 | IC | 1 | |
| IC6202 | C0EBE0000348 | IC | 1 | |
| IC6302 | C0CBCDC00020 | IC | 1 | |
| IC7401,02 | C0CBCDD00006 | IC | 2 | |
| IC7405 | C0CBCDD00006 | IC | 1 | |
| IC23001 | C1AB00001918 | IC | 1 | |
| | | | | |
| J1 | VEE0U97 | EARTH WIRE | 1 | |
| | | | | |
| JK3901 | K2HZ242B0002 | JACK,AV1.AV2 | 1 | |
| JK3903 | K1U407B00003 | JACK,DVD OUT | 1 | |
| JK23902 | K2HZ105B0005 | JACK,S-VIDEO | 1 | |
| JK24302 | VJJ0675 | JACK,VHS/DVD COMMON OUT | 1 | K2HA612B0027 |
| | | | | |
| K3001 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| K4007 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| K23091,92 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| K23095 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| | | | | |
| L3001 | VLQ0599J820 | COIL 82UH | 1 | G0C820JA0026 |
| L3002 | VLQ0599J270 | COIL 27UH | 1 | G0C270JA0026 |
| L3003 | VLQ0599J390T | COIL 39UH | 1 | G0C390JA0019 |
| L3004 | VLQ0599J680 | COIL 68UH | 1 | G0C680JA0026 |
| L3006 | VLQ0599J270 | COIL 27UH | 1 | G0C270JA0026 |
| L3007 | ELJFA120KF | COIL | 1 | |
| L3008 | VLQ0599J680 | COIL 68UH | 1 | G0C680JA0026 |
| L3501 | VLQ0599J560 | COIL 56UH | 1 | G0C560JA0026 |
| L3502-04 | G0C330JA0019 | COIL 33UH | 3 | |
| L4001 | ELESN471KA | COIL 470UH | 1 | |
| L4502 | G0C1R2J00004 | COIL 1.2UH | 1 | |
| L5001 | VLQ0599J680 | COIL 68UH | 1 | G0C680JA0026 |
| L6001 | G0C330JA0019 | COIL 33UH | 1 | EG |
| L6003 | VLQ0599J680 | COIL 68UH | 1 | G0C680JA0026 |
| L6004 | VLQ0599J1R5 | COIL 1.5UH | 1 | G0C1R5JA0026 |
| L6006 | VLQ0599J680 | COIL 68UH | 1 | G0C680JA0026 |
| L7401 | G0C2R2JA0019 | COIL 2.2UH | 1 | |
| L7403 | VLQ0599J270 | COIL 27UH | 1 | G0C270JA0026 EB |
| L7404 | G0C2R2JA0019 | COIL 2.2UH | 1 | |
| L7901 | ELELN101KA | COIL | 1 | |
| L24901 | ELESE220KA | COIL 22UH | 1 | |
| | | | | |
| LB3901-05 | J0JBC0000041 | COIL | 5 | |
| LB3906-08 | J0JGC0000020 | COIL | 3 | |
| LB4001 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| LB4002,03 | J0JBC0000070 | COIL | 2 | |
| LB7401-05 | J0JHC0000032 | COIL | 5 | |
| LB7406 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| LB7407,08 | J0JHC0000032 | COIL | 2 | EB |
| LB7409 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| LB7410,11 | J0JHC0000032 | COIL | 2 | |
| LB7412,13 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| LB7414 | J0JHC0000032 | COIL | 1 | EB |
| LB7415 | ERJ3GEY0R00V | 1/10W 0 | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| LB7416,17 | J0JHC0000032 | COIL | 2 | |
| LB7901 | J0JKB0000028 | COIL | 1 | J0JKB0000027 |
| LB23001,02 | J0JHC0000032 | COIL | 2 | |
| LB23901-03 | ERJ3GEY0R00V | 1/10W 0 | 3 | |
| LB23908-10 | ERJ6GEY0R00V | 1/8W 0 | 3 | |
| LB23912 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| LB23914 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| LB23917,18 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| LB29316 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| | | | | |
| P1531 | K1KA02A00375 | CONNECTOR(2P) | 1 | |
| P2501 | VJS3537E007G | CONNECTOR(7P) | 1 | K1MN07A00019 |
| P2571 | K1KA08A00290 | CONNECTOR(8P) | 1 | |
| P4001 | K1MZ02A00003 | CONNECTOR(2P) | 1 | |
| P4002 | VJS3537A006G | CONNECTOR(FEMALE) 6P | 1 | K1MN06A00034 |
| P4501-03 | VJP3186A018W | CONNECTOR(MALE)18P | 3 | K1KA18A00046 |
| P5001 | VJS3537A009G | CONNECTOR(FEMALE) 9P | 1 | K1MN09A00012 |
| P6001 | K1KB13A00020 | CONNECTOR(13P) | 1 | |
| P6002,03 | VJS4357A019B | CONNECTOR(19P) | 2 | |
| P6004 | K1KB13A00020 | CONNECTOR(13P) | 1 | |
| P6005 | K1KB07A00019 | CONNECTOR(7P) | 1 | |
| P6601 | K1KB08B00043 | CONNECTOR(8P) | 1 | |
| | | | | |
| PS33001 | K1KB12B00040 | CONNECTOR(FEMALE) 12P | 1 | |
| | | | | |
| Q1501,02 | PNB2302M01VT | TRANSISTOR | 2 | |
| Q3001,02 | 2SD1819AWL | TRANSISTOR | 2 | |
| Q3501 | 2SB1218A | TRANSISTOR | 1 | |
| Q3502 | 2SD1819AWL | TRANSISTOR | 1 | |
| Q3901 | 2SD1819AWL | TRANSISTOR | 1 | |
| Q3902 | 2SB1218A | TRANSISTOR | 1 | |
| Q3903,04 | 2SD132800L | TRANSISTOR | 2 | |
| Q3905 | 2SB1218A | TRANSISTOR | 1 | |
| Q3906 | 2SB710AQRSTX | TRANSISTOR | 1 | 2SB0710AWL |
| Q3907 | 2SD132800L | TRANSISTOR | 1 | |
| Q4001 | 2SD1149 | TRANSISTOR | 1 | |
| Q4002 | 2SD1819AWL | TRANSISTOR | 1 | |
| Q4003 | 2SD602A-R | TRANSISTOR | 1 | 2SD0602AR |
| Q4004 | 2SB710AQRSTX | TRANSISTOR | 1 | 2SB0710AWL |
| Q4501,02 | B1AAGD000006 | TRANSISTOR | 2 | |
| Q6001,02 | 2SB1218A | TRANSISTOR | 2 | |
| Q6003 | 2SD1819AWL | TRANSISTOR | 1 | |
| Q6004 | 2SB1218A | TRANSISTOR | 1 | |
| Q6305 | 2SD0601A | TRANSISTOR | 1 | |
| Q6401 | 2SD1819AWL | TRANSISTOR | 1 | |
| Q7401,02 | 2SD1819AWL | TRANSISTOR | 2 | EG |
| Q7403 | 2SB1218A | TRANSISTOR | 1 | |
| Q7901 | 2SD2177-S | TRANSISTOR | 1 | 2SD21770SA |
| Q7902 | 2SD1819AWL | TRANSISTOR | 1 | |
| Q23001 | 2SB1218A | TRANSISTOR | 1 | |
| Q24002,03 | 2SD132800L | TRANSISTOR | 2 | |
| Q37501,02 | 2SD1819AWL | TRANSISTOR | 2 | |
| Q37513 | 2SD1819AWL | TRANSISTOR | 1 | |
| | | | | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| QR3001 | UN5213TX | TRANSISTOR | 1 | UNR521300L |
| QR3002,03 | UN5212TX | TRANSISTOR | 2 | UNR521200L |
| QR3004 | UN5211 | TRANSISTOR | 1 | UNR5211 |
| QR3005 | UN5212TX | TRANSISTOR | 1 | UNR521200L |
| QR3501 | UN5211 | TRANSISTOR | 1 | UNR5211 |
| QR3701 | UNR511100L | TRANSISTOR | 1 | |
| QR3901,02 | UN5213TX | TRANSISTOR | 2 | UNR521300L |
| QR3903 | UN5211 | TRANSISTOR | 1 | UNR5211 |
| QR3908 | UN5212TX | TRANSISTOR | 1 | UNR521200L |
| QR3913 | UN5212TX | TRANSISTOR | 1 | UNR521200L |
| QR4003 | UN5211 | TRANSISTOR | 1 | UNR5211 |
| QR4004 | UNR511100L | TRANSISTOR | 1 | |
| QR4005 | UN5213TX | TRANSISTOR | 1 | UNR521300L |
| QR4501,02 | UN5113TW | TRANSISTOR | 2 | EB |
| QR4503 | XN0121600L | TRANSISTOR | 1 | |
| QR4504 | UNR521600L | TRANSISTOR | 1 | EB |
| QR6402,03 | UN5215TX | TRANSISTOR | 2 | UNR521500L |
| QR7401,02 | UN5112 | TRANSISTOR | 2 | UNR5112 EG |
| QR23901 | UN5113TW | TRANSISTOR | 1 | |
| QR23902,03 | UNR521600L | TRANSISTOR | 2 | |
| | | | | |
| R1501,02 | ERJ3GEYJ273V | 1/10W 27K | 2 | D0GB273JA002 |
| R1503 | ERDS2FJ151 | 1/4W 150 | 1 | |
| R1511,12 | ERJ3GEYJ273V | 1/10W 27K | 2 | D0GB273JA002 |
| R1513 | ERJ6GEYJ121V | 1/8W 120 | 1 | D0GD121JA003 |
| R2001 | ERJ3GEYJ392V | 1/10W 3.9K | 1 | |
| R2002 | ERJ3GEYJ105V | 1/10W 1M | 1 | |
| R2099 | ERJ3GEYJ682V | 1/10W 6.8K | 1 | D0GB682JA002 |
| R2501 | ERJ6GEYJ1R2V | 1/8W 1.2 | 1 | |
| R2502 | ERJ6GEYJ1R5V | 1/8W 1.5 | 1 | |
| R2503 | ERDS2FJ182 | 1/4W 1.8K | 1 | |
| R2514-16 | ERJ3GEYJ221V | 1/10W 220 | 3 | |
| R2520 | ERJ3GEYJ183V | 1/10W 18K | 1 | D0GB183JA002 |
| R2521 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R2551,52 | ERJ3GEYJ103V | 1/10W 10K | 2 | D0GB103JA002 |
| R2561 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R2562 | ERJ3GEYJ473V | 1/10W 47K | 1 | D0GB473JA002 |
| R2563 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R2564,65 | ERJ3GEYJ101 | 1/10W 100 | 2 | D0GB101JA002 |
| R3001 | ERJ3GEYJ152V | 1/10W 1.5K | 1 | |
| R3002 | ERJ3GEYJ622V | 1/10W 6.2K | 1 | |
| R3003 | ERJ3GEYJ562V | 1/10W 5.6K | 1 | D0GB562JA002 |
| R3004 | ERJ3GEYJ151V | 1/10W 150 | 1 | |
| R3005 | ERJ3GEYJ122 | 1/10W 1.2K | 1 | |
| R3006 | ERJ3GEYJ331V | 1/10W 330U | 1 | |
| R3007 | ERJ3GEYJ101 | 1/10W 100 | 1 | D0GB101JA002 |
| R3008 | ERJ3GEYJ106 | 1/10W 10M | 1 | |
| R3009 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R3010 | ERJ3GEYD153V | 1/10W 15K | 1 | D0HB153ZA002 |
| R3011 | ERJ3GEYJ151V | 1/10W 150 | 1 | |
| R3013,14 | ERJ3GEYJ101 | 1/10W 100 | 2 | D0GB101JA002 |
| R3015 | ERJ3GEYJ273V | 1/10W 27K | 1 | D0GB273JA002 |
| R3016 | ERJ3GEYJ471V | 1/10W 470 | 1 | |
| R3017 | ERJ3GEYJ332V | 1/10W 3.3K | 1 | D0GB332JA002 |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| R3020 | ERJ3GEYJ332V | 1/10W 3.3K | 1 | D0GB332JA002 |
| R3021 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R3022 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R3024 | ERJ3GEYJ682V | 1/10W 6.8K | 1 | D0GB682JA002 |
| R3025 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R3501 | ERJ3GEYF561V | 1/10W 560 | 1 | |
| R3502 | ERJ3GEYF102 | 1/10W 1K | 1 | |
| R3503 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R3504 | ERJ3GEYJ332V | 1/10W 3.3K | 1 | D0GB332JA002 |
| R3505 | ERJ3GEYJ122 | 1/10W 1.2K | 1 | |
| R3506,07 | ERJ3GEYF122V | 1/10W 1.2K | 2 | |
| R3508 | ERJ3GEYJ394V | 1/10W 390K | 1 | |
| R3509 | ERJ3GEYF102 | 1/10W 1K | 1 | |
| R3510 | ERJ3GEYF471 | 1/10W 470 | 1 | |
| R3511,12 | ERJ3GEYF332V | 1/10W 3.3K | 2 | |
| R3513 | ERJ3RBD152V | 1/10W 1.5K | 1 | |
| R3514 | ERJ3GEYF102 | 1/10W 1K | 1 | |
| R3515 | ERJ3GEYF122V | 1/10W 1.2K | 1 | |
| R3516 | ERJ3GEYF102 | 1/10W 1K | 1 | |
| R3901,02 | ERJ3GEYJ103V | 1/10W 10K | 2 | D0GB103JA002 |
| R3903 | ERJ3GEYJ223V | 1/10W 22K | 1 | D0GB223JA002 |
| R3904 | ERJ3GEYJ273V | 1/10W 27K | 1 | D0GB273JA002 |
| R3905 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R3906,07 | ERJ3GEYJ103V | 1/10W 10K | 2 | D0GB103JA002 |
| R3908,09 | ERJ3GEYJ821V | 1/10W 820 | 2 | |
| R3910,11 | ERJ3GEYJ104 | 1/10W 100K | 2 | |
| R3912 | ERJ3GEYJ473V | 1/10W 47K | 1 | D0GB473JA002 |
| R3913,14 | ERJ3GEYJ102V | 1/10W 1K | 2 | |
| R3915 | ERJ3GEYJ473V | 1/10W 47K | 1 | D0GB473JA002 |
| R3916-19 | ERJ6ENF75R0 | 1/8W 75 | 4 | |
| R3920,21 | ERJ6GEYJ471V | 1/8W 470 | 2 | |
| R3922 | ERDS2FJ471 | 1/4W 470 | 1 | |
| R3923 | ERJ3GEYJ473V | 1/10W 47K | 1 | D0GB473JA002 |
| R3924,25 | ERJ3GEYJ102V | 1/10W 1K | 2 | |
| R3926 | ERJ3GEYJ473V | 1/10W 47K | 1 | D0GB473JA002 |
| R3927,28 | ERJ6ENF75R0 | 1/8W 75 | 2 | |
| R3929,30 | ERJ6GEYJ471V | 1/8W 470 | 2 | |
| R3931-33 | ERJ3RED750V | 1/16W 75 | 3 | |
| R3934,35 | ERJ3GEYJ103V | 1/10W 10K | 2 | D0GB103JA002 |
| R3936 | ERJ6RBD153 | 1/10W 15K | 1 | |
| R3937,38 | ERJ6RBD471 | 1/10W 470 | 2 | |
| R3939,40 | ERJ3GEYJ222V | 1/10W 2.2K | 2 | D0GB222JA002 |
| R3941,42 | ERJ3GEYJ101 | 1/10W 100 | 2 | D0GB101JA002 |
| R3943-46 | ERJ6GEYJ471V | 1/8W 470 | 4 | |
| R3947 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R3948 | ERJ6ENF75R0 | 1/8W 75 | 1 | |
| R3950 | ERJ3GEYJ680 | 1/10W 68 | 1 | ERJ3GEYJ680V |
| R3951 | ERJ3GEYD153V | 1/10W 15K | 1 | D0HB153ZA002 |
| R3953 | ERJ3GEYJ223V | 1/10W 22K | 1 | D0GB223JA002 |
| R3962 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R3967 | ERJ3GEYJ152V | 1/10W 1.5K | 1 | |
| R3969 | ERJ3GEYJ332V | 1/10W 3.3K | 1 | D0GB332JA002 |
| R4001 | ERJ3GEYJ152V | 1/10W 1.5K | 1 | |
| R4002 | ERJ3GEYD153V | 1/10W 15K | 1 | D0HB153ZA002 |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| R4003 | ERJ3GEYJ302V | 1/10W 3K | 1 | |
| R4004 | ERJ3GEYJ472V | 1/10W 4.7K | 1 | |
| R4006 | ERJ3GEYJ332V | 1/10W 3.3K | 1 | D0GB332JA002 |
| R4007 | ERJ3GEYJ104 | 1/10W 100K | 1 | |
| R4008 | ERJ3GEYD153V | 1/10W 15K | 1 | D0HB153ZA002 |
| R4009 | ERJ3GEYJ271V | 1/10W 270 | 1 | |
| R4011 | ERJ3GEYJ203 | 1/10W 20K | 1 | |
| R4012 | ERJ3GEYJ474V | 1/10W 470K | 1 | |
| R4013 | ERJ3GEYD153V | 1/10W 15K | 1 | D0HB153ZA002 |
| R4014 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R4015 | ERJ3GEYJ332V | 1/10W 3.3K | 1 | D0GB332JA002 |
| R4016,17 | ERJ3GEYJ222V | 1/10W 2.2K | 2 | D0GB222JA002 |
| R4018,19 | ERJ3GEYJ102V | 1/10W 1K | 2 | |
| R4501,02 | ERJ3GEYJ563V | 1/10W 56K | 2 | |
| R4503,04 | ERJ3GEYJ223V | 1/10W 22K | 2 | D0GB223JA002 |
| R4505,06 | ERJ3GEYJ432V | 1/10W 4.3K | 2 | |
| R4507 | ERJ3GEYJ912V | 1/10W 9.1K | 1 | |
| R4508,09 | ERJ3GEYJ432V | 1/10W 4.3K | 2 | |
| R4510 | ERJ3GEYJ912V | 1/10W 9.1K | 1 | |
| R4511,12 | ERJ3GEYJ432V | 1/10W 4.3K | 2 | |
| R4513-16 | ERJ3GEYJ563V | 1/10W 56K | 4 | |
| R4517 | ERJ3GEYJ511 | 1/10W 510 | 1 | |
| R4518 | ERJ3GEYJ472V | 1/10W 4.7K | 1 | |
| R4519 | ERJ3GEYJ221V | 1/10W 220 | 1 | EB |
| R4520 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R4521 | ERJ3GEYJ124V | 1/10W 120K | 1 | D0GB124JA002 |
| R4522 | ERJ3GEYJ472V | 1/10W 4.7K | 1 | |
| R4523 | ERJ3GEYJ511 | 1/10W 510 | 1 | |
| R4524 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R4525 | ERJ3GEYJ303V | 1/10W 30K | 1 | |
| R4526-28 | ERJ3GEYJ102V | 1/10W 1K | 3 | |
| R4530 | ERJ3GEYJ472V | 1/10W 4.7K | 1 | |
| R4531 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R4532 | ERJ3GEYJ681V | 1/10W 680 | 1 | D0GB681JA002 |
| R4554 | ERJ3GEYJ683V | 1/10W 68K | 1 | D0GB683JA002 |
| R4555 | ERDS2FJ821 | 1/4W 820 | 1 | |
| R4556 | ERDS2FJ103 | 1/4W 10K | 1 | |
| R4557 | ERJ3GEYJ472V | 1/10W 4.7K | 1 | |
| R4558 | ERJ3GEYJ683V | 1/10W 68K | 1 | D0GB683JA002 |
| R4559 | ERJ3GEYJ393V | 1/10W 39K | 1 | D0GB393JA002 |
| R4560 | ERJ3GEYJ682V | 1/10W 6.8K | 1 | D0GB682JA002 |
| R6001,02 | ERJ3GEYJ102V | 1/10W 1K | 2 | |
| R6003 | ERJ3GEYJ223V | 1/10W 22K | 1 | D0GB223JA002 |
| R6004 | ERJ3GEYD433V | 1/10W 43K | 1 | ERA3YKD433V |
| R6005 | ERJ3GEYJ472V | 1/10W 4.7K | 1 | |
| R6006 | ERJ3GEYJ273V | 1/10W 27K | 1 | D0GB273JA002 |
| R6007 | ERJ3GEYJ183V | 1/10W 18K | 1 | D0GB183JA002 |
| R6008 | ERJ3GEYJ222V | 1/10W 2.2K | 1 | D0GB222JA002 |
| R6009 | ERJ3GEYJ101 | 1/10W 100 | 1 | D0GB101JA002 |
| R6010 | ERJ3GEYJ393V | 1/10W 39K | 1 | D0GB393JA002 |
| R6011 | ERJ3GEYJ183V | 1/10W 18K | 1 | D0GB183JA002 |
| R6012 | ERJ3GEYJ471V | 1/10W 470 | 1 | |
| R6013 | ERJ3GEYJ105V | 1/10W 1M | 1 | |
| R6014 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| R6015 | ERJ3GEYJ221V | 1/10W 220 | 1 | |
| R6016 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R6017 | ERJ3GEYJ222V | 1/10W 2.2K | 1 | D0GB222JA002 |
| R6018 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R6019 | ERJ3GEYJ152V | 1/10W 1.5K | 1 | EG |
| R6020,21 | MCR03PZHJ561 | 1/10W 560 | 2 | |
| R6022 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R6023 | ERJ3GEYJ181V | 1/10W 180 | 1 | |
| R6024 | ERJ3GEYJ221V | 1/10W 220 | 1 | |
| R6025 | ERJ3GEYJ473V | 1/10W 47K | 1 | D0GB473JA002 EB |
| R6026-28 | ERJ3GEYJ103V | 1/10W 10K | 3 | D0GB103JA002 |
| R6029,30 | ERJ3GEYJ472V | 1/10W 4.7K | 2 | |
| R6031 | ERJ3GEYJ223V | 1/10W 22K | 1 | D0GB223JA002 |
| R6032 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R6034 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R6035,36 | ERJ3GEYJ102V | 1/10W 1K | 2 | |
| R6051 | ERJ3GEYJ564V | 1/10W 560K | 1 | D0GB564JA002 |
| R6052 | ERJ3GEYJ221V | 1/10W 220 | 1 | |
| R6053 | ERJ3GEYJ682V | 1/10W 6.8K | 1 | D0GB682JA002 |
| R6054 | ERJ3GEYJ125 | 1/10W 1.2M | 1 | |
| R6055 | ERJ3GEYJ682V | 1/10W 6.8K | 1 | D0GB682JA002 |
| R6056 | ERJ3GEYJ125 | 1/10W 1.2M | 1 | |
| R6057 | ERJ3GEYJ104 | 1/10W 100K | 1 | |
| R6058,59 | ERJ3GEYJ222V | 1/10W 2.2K | 2 | D0GB222JA002 |
| R6060,61 | ERJ3GEYJ102V | 1/10W 1K | 2 | |
| R6104 | ERJ3GEYJ221V | 1/10W 220 | 1 | |
| R6105 | ERJ3GEYJ681V | 1/10W 680 | 1 | D0GB681JA002 |
| R6106,07 | ERJ3GEYJ221V | 1/10W 220 | 2 | |
| R6108 | ERJ3GEYJ681V | 1/10W 680 | 1 | D0GB681JA002 |
| R6109 | ERJ3GEYJ221V | 1/10W 220 | 1 | |
| R6201 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R6309 | ERJ3GEYJ272V | 1/10W 2.7K | 1 | |
| R6402 | ERJ3GEYD153V | 1/10W 15K | 1 | D0HB153ZA002 |
| R6403 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R6404 | ERDS2FJ471 | 1/4W 470 | 1 | |
| R6405 | ERJ3GEYJ472V | 1/10W 4.7K | 1 | |
| R6406 | ERJ3GEYJ474V | 1/10W 470K | 1 | |
| R6407 | ERJ3GEYJ392V | 1/10W 3.9K | 1 | |
| R7401-04 | ERDS2FJ331 | 1/4W 330 | 4 | |
| R7405,06 | ERJ3GEYJ471V | 1/10W 470 | 2 | |
| R7408 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R7410,11 | ERJ3GEYJ221V | 1/10W 220 | 2 | |
| R7412 | ERJ3GEY0R00V | 1/10W 0 | 1 | EB |
| R7413 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R7414,15 | ERJ3GEYJ101 | 1/10W 100 | 2 | D0GB101JA002 EB |
| R7416,17 | ERJ3GEYJ471V | 1/10W 470 | 2 | |
| R7419 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R7420 | ERJ3GEYJ681V | 1/10W 680 | 1 | D0GB681JA002 |
| R7421,22 | ERJ3GEYJ221V | 1/10W 220 | 2 | |
| R7433,34 | ERJ3GEYJ104 | 1/10W 100K | 2 | EG |
| R7751 | ERJ3GEYJ181V | 1/10W 180 | 1 | |
| R7901 | ERDS2FJ331 | 1/4W 330 | 1 | |
| R7902 | ERJ3GEYJ333V | 1/10W 33K | 1 | D0GB333JA002 |
| R7903 | ERJ3GEYJ332V | 1/10W 3.3K | 1 | D0GB332JA002 |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| R7904 | ERJ3GEYJ472V | 1/10W 4.7K | 1 | |
| R7905,06 | ERJ3GEYJ223V | 1/10W 22K | 2 | D0GB223JA002 |
| R7907 | ERJ3GEYJ101 | 1/10W 100 | 1 | D0GB101JA002 |
| R7909 | ERJ3GEYJ393V | 1/10W 39K | 1 | D0GB393JA002 |
| R23001 | ERJ3RBD471V | 1/16W 470 | 1 | |
| R23002 | ERJ3RED150V | 1/16W 15 | 1 | |
| R23003 | ERJ3RBD471V | 1/16W 470 | 1 | |
| R23004 | ERJ3GEYJ221V | 1/10W 220 | 1 | |
| R23025 | ERJ3RBD153 | 1/16W 15K | 1 | |
| R23026 | ERJ3GEYJ105V | 1/10W 1M | 1 | |
| R23030 | ERJ3EKF75R0 | 1/10W 75 | 1 | |
| R23038 | ERJ3GEYJ330V | 1/10W 33 | 1 | D0GB330JA002 |
| R23039,40 | ERJ3GEYJ221V | 1/10W 220 | 2 | |
| R23041 | ERJ3RBD104 | 1/16W 100K | 1 | |
| R23704-06 | ERJ3EKF75R0 | 1/10W 75 | 3 | |
| R23901 | ERJ3EKF75R0 | 1/10W 75 | 1 | |
| R23902,03 | ERJ3GEYJ821V | 1/10W 820 | 2 | |
| R23904,05 | ERJ3GEYJ104 | 1/10W 100K | 2 | |
| R23910-12 | ERJ3EKF75R0 | 1/10W 75 | 3 | |
| R24061 | ERJ3GEYJ681V | 1/10W 680 | 1 | D0GB681JA002 |
| R24063,64 | ERJ3GEYJ272V | 1/10W 2.7K | 2 | |
| R24065 | ERJ3GEYJ681V | 1/10W 680 | 1 | D0GB681JA002 |
| R24069 | ERJ3GEYJ221V | 1/10W 220 | 1 | |
| R24072 | ERJ3GEYJ221V | 1/10W 220 | 1 | |
| R24901 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R24903 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R37502 | ERJ3GEYJ472V | 1/10W 4.7K | 1 | |
| R37503 | ERJ3GEYJ473V | 1/10W 47K | 1 | D0GB473JA002 |
| R37504 | ERJ3GEYJ273V | 1/10W 27K | 1 | D0GB273JA002 |
| R37505 | ERJ3GEYJ225V | 1/10W 2.2M | 1 | |
| R37529 | ERJ3GEYJ224V | 1/10W 220K | 1 | D0GB224JA002 |
| R37560 | ERJ3GEYJ104 | 1/10W 100K | 1 | |
| R37564 | ERJ3GEYJ221V | 1/10W 220 | 1 | |
| R37570 | ERJ3GEYJ104 | 1/10W 100K | 1 | |
| | | | | |
| S1531 | K0C111A00003 | SWITCH,SAFTY TAB | 1 | |
| S1532 | K0ZZ00000598 | SWITCH,MODE | 1 | |
| | | | | |
| T4001 | EQQ7QF024P | TRANSFORMER | 1 | ⚠ |
| T7901 | ETS13TB159AP | TRANSFORMER | 1 | ⚠ |
| | | | | |
| TU7401 | ENV57G05G3F | TV TUNERS | 1 | EG ⚠ |
| TU7401 | ENV87G01G3F | TV TUNERS | 1 | EB ⚠ |
| TU7402 | ENV57G05G3F | TV TUNERS | 1 | EG ⚠ |
| TU7402 | ENV87G01G3F | TV TUNERS | 1 | EB ⚠ |
| TU7403 | ENC879T2F | RF MODULATORS | 1 | |
| | | | | |
| W701,02 | ERJ6GEY0R00V | 1/8W 0 | 2 | |
| W703 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| W704 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W705 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| W706-09 | ERJ6GEY0R00V | 1/8W 0 | 4 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| W710-19 | ERJ3GEY0R00V | 1/10W 0 | 10 | |
| W720 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W721,22 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| W725-28 | ERJ3GEY0R00V | 1/10W 0 | 4 | |
| W729 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W730,31 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| W732,33 | ERJ6GEY0R00V | 1/8W 0 | 2 | |
| W734-37 | ERJ3GEY0R00V | 1/10W 0 | 4 | |
| W738-40 | ERJ6GEY0R00V | 1/8W 0 | 3 | |
| W741 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| W743 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W745-57 | ERJ3GEY0R00V | 1/10W 0 | 13 | |
| W758 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W759-62 | ERJ3GEY0R00V | 1/10W 0 | 4 | |
| W763 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W764 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| W765 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W766 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| W767 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W768-70 | ERJ3GEY0R00V | 1/10W 0 | 3 | |
| W771 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W772 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| W773 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W774,75 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| W776 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W777 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| W778 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W779-04 | ERJ3GEY0R00V | 1/10W 0 | 26 | |
| W805 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W806 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| W808,09 | ERJ6GEY0R00V | 1/8W 0 | 2 | |
| W811 | ERJ3GEY0R00V | 1/10W 0 | 1 | EG |
| | | | | |
| X3001 | H0D443400039 | CRYSTAL OSCILLATOR | 1 | |
| X3002 | H0D357400067 | OSCILLATOR | 1 | |
| X6001 | H0D120500009 | OSCILLATOR | 1 | |
| X6002 | H0A327200026 | OSCILLATOR | 1 | |
| | | | | |
| ■ | 03 | VEP07A51A/C | | (NICAM DECORDER P.C.B.) |
| | | | | |
| C7301 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C7302 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| C7303 | ECEA0JKS101 | 6.3V 100U | 1 | |
| C7305 | ECEA0JKS101 | 6.3V 100U | 1 | |
| C7306 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C7307,08 | ECJ1VC1H100C | 50V 10P | 2 | |
| C7309,10 | ECJ1VC1H101J | 50V 100P | 2 | EB |
| C7311 | ECJ1VC1H101J | 50V 100P | 1 | |
| C7312,13 | ECEA1CKS100 | 16V 10U | 2 | |
| C7314 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C7317 | ECEA1CKA470 | 16V 47U | 1 | |
| C7318 | ECEA1CKS100 | 16V 10U | 1 | |
| C7323 | ECJ1VC1H102J | 50V 1000P | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| C7324 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C7329 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| C7330 | ERJ3GEYJ822V | 1/10W 8.2K | 1 | D0GB822JA002 |
| C7332 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C7333 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C7334 | ECEA1HKS2R2 | 50V 2.2U | 1 | |
| C7335 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| | | | | |
| IC7301 | TDA9874AH | IC | 1 | C1AB00001404 |
| IC7302 | PST7043-T | IC | 1 | C0EAH0000051 |
| | | | | |
| K7301-03 | ERJ3GEY0R00V | 1/10W 0 | 3 | |
| K7305 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| | | | | |
| L7303 | G0C1R0JA0019 | COIL 1UH | 1 | |
| | | | | |
| LB7301,02 | J0JCC0000124 | COIL | 2 | |
| LB7303 | J0JCC0000080 | COIL | 1 | |
| | | | | |
| PK7301 | VJR0777B007W | CONNECTOR(7P) | 1 | K1MM07B00002 |
| PK7302 | VJR0777B006W | CONNECTOR(6P) | 1 | K1MM06B00002 |
| | | | | |
| R7301 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R7304 | ERJ3GEYJ101 | 1/10W 100 | 1 | D0GB101JA002 |
| R7307 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R7309 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R7311 | ERJ3GEYJ221V | 1/10W 220 | 1 | |
| R7312,13 | ERJ3RBD221 | 1/10W 220 | 2 | |
| R7314,15 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| R7317 | J0JCC0000103 | COIL | 1 | |
| R7319 | J0JCC0000103 | COIL | 1 | |
| R7322 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R7324,25 | ERJ3GEYJ101 | 1/10W 100 | 2 | D0GB101JA002 |
| | | | | |
| W6,W7 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| | | | | |
| X7301 | H0D245500016 | CRYSTAL OSCILLATOR | 1 | |
| | | | | |
| ■ | 04 | VEP07A51B/D | | (VHS DECORDER P.C.B.) |
| | | | | |
| C7301 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C7302 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| C7303 | ECEA0JKS101 | 6.3V 100U | 1 | |
| C7305 | ECEA0JKS101 | 6.3V 100U | 1 | |
| C7306 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C7307,08 | ECJ1VC1H100C | 50V 10P | 2 | |
| C7309,10 | ECJ1VC1H101J | 50V 100P | 2 | EB |
| C7311 | ECJ1VC1H101J | 50V 100P | 1 | |
| C7312,13 | ECEA1CKS100 | 16V 10U | 2 | |
| C7314 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C7317 | ECEA1CKA470 | 16V 47U | 1 | |
| C7318 | ECEA1CKS100 | 16V 10U | 1 | |
| C7323 | ECJ1VB1H102K | 50V 1000P | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| C7324 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C7329 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| C7330 | ERJ3GEYJ822V | 1/10W 8.2K | 1 | D0GB822JA002 |
| C7332 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C7333 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C7334 | ECEA1HKS2R2 | 50V 2.2U | 1 | |
| C7335 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| | | | | |
| IC7301 | TDA9874AH | IC | 1 | C1AB00001404 |
| IC7302 | PST7043-T | IC | 1 | C0EAH0000051 |
| | | | | |
| K7301-03 | ERJ3GEY0R00V | 1/10W 0 | 3 | |
| K7305 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| | | | | |
| L7303 | G0C1R0JA0019 | COIL 1UH | 1 | |
| | | | | |
| LB7301,02 | J0JCC0000124 | COIL | 2 | |
| LB7303 | J0JCC0000080 | COIL | 1 | |
| | | | | |
| PK7301 | VJR0777B007W | CONNECTOR(7P) | 1 | K1MM07B00002 |
| PK7302 | VJR0777B006W | CONNECTOR(6P) | 1 | K1MM06B00002 |
| | | | | |
| R7301 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R7304 | ERJ3GEYJ101 | 1/10W 100 | 1 | D0GB101JA002 |
| R7307 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R7309 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R7310 | ERJ3GEYJ221V | 1/10W 220 | 1 | |
| R7312,13 | ERJ3RBD221 | 1/10W 220 | 2 | |
| R7314,15 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| R7317 | J0JCC0000103 | COIL | 1 | |
| R7319 | J0JCC0000103 | COIL | 1 | |
| R7322 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R7324,25 | ERJ3GEYJ101 | 1/10W 100 | 2 | D0GB101JA002 |
| | | | | |
| W6,W7 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| | | | | |
| X7301 | H0D245500016 | CRYSTAL OSCILLATOR | 1 | |
| | | | | |
| ■ | 05 | VEP07A71G/H | | (VHS VIF P.C.B.) |
| | | | | |
| C0701 | ECEA1HKS010 | 50V 1U | 1 | |
| C0702 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| C0703 | ECEA1HKS010 | 50V 1U | 1 | |
| C0704 | ECJ1VB1E683K | 25V 0.0683U | 1 | |
| C0705 | ECJ1VB1E104K | 25V 0.1U | 1 | |
| C0706 | ECJ2XB1H333K | 50V 0.033U | 1 | |
| C0707 | ECEA1HKAR47B | 50V 0.47U | 1 | |
| C0709,10 | ECJ1VF1H103Z | 50V 0.01U | 2 | |
| C0711 | ECEA1CKS220 | 16V 22U | 1 | |
| C0712 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C0713 | ECEA0JKS101 | 6.3V 100U | 1 | |
| C0714 | ECJ2XF1C105Z | 16V 1U | 1 | |
| C0721 | ECJ2VC1H680J | 50V 68P | 1 | EG |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| C0721 | ECUV1H330JCG | 50V 33P | 1 | ECJ2VC1H330J EB |
| C0724 | ECJ2VF1H103Z | 50V 0.01U | 1 | |
| C0725 | ECJ1VC1H030C | 50V 3P | 1 | EG |
| C0725 | ECJ1VC1H120J | 50V 12P | 1 | EB |
| C0727 | ECJ1VC1H390J | 50V 39P | 1 | |
| C0728 | ECJ1VC1H560J | 50V 56P | 1 | EB |
| C0730 | ECJ1VC1H220J | 50V 22P | 1 | EB |
| C0730 | ECJ1VC1H680J | 50V 68P | 1 | EG |
| C0732 | ECJ1VC1H101J | 50V 100P | 1 | |
| | | | | |
| IC0701 | C1AB00001924 | IC | 1 | |
| | | | | |
| K0709 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| | | | | |
| L0701 | ELJNAR27JF | COIL 27UH | 1 | |
| L0703 | ELJNA3R3JF | COIL 3.3UH | 1 | |
| | | | | |
| PK0701 | VJR0826E009W | CONNECTOR(9P) | 1 | K1MR09A00028 |
| | | | | |
| PP0701 | K1KA04A00512 | CONNECTOR(4P) | 1 | |
| | | | | |
| Q0702 | 2SB0709ARL | TRANSISTOR | 1 | |
| | | | | |
| R0701 | ERJ3GEY0R00V | 1/10W 0 | 1 | EB |
| R0702 | ERJ3GEYJ104 | 1/10W 100K | 1 | |
| R0703 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R0704 | ERJ6GEYG105 | 1/8W 1M | 1 | |
| R0705 | ERJ6GEYJ272V | 1/8W 2.7K | 1 | EG |
| R0705 | ERJ6GEYJ392V | 1/8W 3.9K | 1 | EB |
| R0707 | ERJ3GEYJ393V | 1/10W 39K | 1 | D0GB393JA002 |
| R0708 | ERJ3GEYJ223V | 1/10W 22K | 1 | D0GB223JA002 |
| R0711 | ERJ3GEYJ510 | 1/10W 51 | 1 | |
| R0715 | ERJ3GEYJ223V | 1/10W 22K | 1 | D0GB223JA002 |
| R0719 | ERJ3GEYJ472V | 1/10W 4.7K | 1 | |
| R0725 | ERJ6GEYJ101V | 1/8W 100 | 1 | |
| R0726 | ERJ3GEYJ332V | 1/10W 3.3K | 1 | D0GB332JA002 |
| R0728 | ERJ3GEY0R00V | 1/10W 0 | 1 | EB |
| R0729 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R0730 | ERJ6GEYJ103V | 1/8W 10K | 1 | EG |
| R0738 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R0740 | ERJ3GEYJ471V | 1/10W 470 | 1 | |
| R0741 | ERJ3GEYJ221V | 1/10W 220 | 1 | |
| R0742 | ERJ6GEYJ471V | 1/8W 470 | 1 | |
| R0743 | ERJ6GEYJ820V | 1/8W 82 | 1 | |
| R0747,48 | ERJ3GEYJ271V | 1/10W 270 | 2 | |
| | | | | |
| VR0701 | EVNCYAA03B14 | V.R. | 1 | |
| | | | | |
| W1-W3 | ERJ8GEY0R00V | 1/4W 0 | 3 | |
| W4 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W5,W6 | ERJ8GEY0R00V | 1/4W 0 | 2 | |
| W7,W8 | ERJ6GEY0R00V | 1/8W 0 | 2 | |
| W9 | ERJ8GEY0R00V | 1/4W 0 | 1 | |
| W10 | ERJ3GEY0R00V | 1/10W 0 | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| W12 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| W13,14 | ERJ8GEY0R00V | 1/4W 0 | 2 | |
| W16 | ERJ8GEY0R00V | 1/4W 0 | 1 | |
| | | | | |
| X0701 | VLF1416 | FILTER | 1 | J0B4045A0002 EG |
| X0701 | VLF1417 | FILTER | 1 | J0B4155A0003 EB |
| X0704 | VLF1493 | CRYSTAL OSCILLATOR | 1 | EG |
| X0704 | VLF1495 | CRYSTAL OSCILLATOR | 1 | EB |
| | | | | |
| ■ | 06 | VEP07A71J/K | | (HI-FI VIF P.C.B.) |
| | | | | |
| C0701 | ECEA1HKS010 | 50V 1U | 1 | |
| C0702 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| C0703 | ECEA1HKS010 | 50V 1U | 1 | |
| C0704 | ECJ1VB1E683K | 25V 0.0683U | 1 | |
| C0705 | ECJ1VB1E104K | 25V 0.1U | 1 | |
| C0706 | ECJ2XB1H333K | 50V 0.033U | 1 | |
| C0707 | ECEA1HKAR47B | 50V 0.47U | 1 | |
| C0709,10 | ECJ1VF1H103Z | 50V 0.01U | 2 | |
| C0711 | ECEA1CKS220 | 16V 22U | 1 | |
| C0712 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C0713 | ECEA0JKS101 | 6.3V 100U | 1 | |
| C0714 | ECJ2XF1C105Z | 16V 1U | 1 | |
| C0721 | ECJ2VC1H680J | 50V 68P | 1 | EG |
| C0721 | ECUV1H330JCG | 50V 33P | 1 | ECJ2VC1H330J EB |
| C0724 | ECJ2VF1H103Z | 50V 0.01U | 1 | |
| C0725 | ECJ1VC1H030C | 50V 3P | 1 | EG |
| C0725 | ECJ1VC1H120J | 50V 12P | 1 | EB |
| C0727 | ECJ1VC1H390J | 50V 39P | 1 | |
| C0728 | ECJ1VC1H560J | 50V 56P | 1 | EB |
| C0730 | ECJ1VC1H220J | 50V 22P | 1 | EB |
| C0730 | ECJ1VC1H680J | 50V 68P | 1 | EG |
| C0732 | ECJ1VC1H101J | 50V 100P | 1 | |
| | | | | |
| IC0701 | C1AB00001924 | IC | 1 | |
| | | | | |
| K0709 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| | | | | |
| L0701 | ELJNAR27JF | COIL 27UH | 1 | |
| L0703 | ELJNA3R3JF | COIL 3.3UH | 1 | |
| | | | | |
| PK0701 | VJR0826E009W | CONNECTOR(9P) | 1 | K1MR09A00028 |
| | | | | |
| PP0701 | VJP3589E004B | CONNECTOR(4P) | 1 | K1KA04B00135 |
| | | | | |
| Q0702 | 2SB0709ARL | TRANSISTOR | 1 | |
| | | | | |
| R0701 | ERJ3GEY0R00V | 1/10W 0 | 1 | EB |
| R0702 | ERJ3GEYJ104 | 1/10W 100K | 1 | |
| R0703 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R0704 | ERJ6GEYG105 | 1/8W 1M | 1 | |
| R0705 | ERJ6GEYJ272V | 1/8W 2.7K | 1 | EG |
| R0705 | ERJ6GEYJ392V | 1/8W 3.9K | 1 | EB |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| R0707 | ERJ3GEYJ393V | 1/10W 39K | 1 | D0GB393JA002 |
| R0708 | ERJ3GEYJ223V | 1/10W 22K | 1 | D0GB223JA002 |
| R0711 | ERJ3GEYJ510 | 1/10W 51 | 1 | |
| R0715 | ERJ3GEYJ223V | 1/10W 22K | 1 | D0GB223JA002 |
| R0719 | ERJ3GEYJ472V | 1/10W 4.7K | 1 | |
| R0725 | ERJ6GEYJ101V | 1/8W 100 | 1 | |
| R0726 | ERJ3GEYJ332V | 1/10W 3.3K | 1 | D0GB332JA002 |
| R0728 | ERJ3GEY0R00V | 1/10W 0 | 1 | EB |
| R0729 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R0730 | ERJ6GEYJ103V | 1/8W 10K | 1 | EG |
| R0738 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R0740 | ERJ3GEYJ471V | 1/10W 470 | 1 | |
| R0741 | ERJ3GEYJ221V | 1/10W 220 | 1 | |
| R0742 | ERJ6GEYJ471V | 1/8W 470 | 1 | |
| R0743 | ERJ6GEYJ820V | 1/8W 82 | 1 | |
| R0747,48 | ERJ3GEYJ271V | 1/10W 270 | 2 | |
| | | | | |
| VR0701 | EVNCYAA03B14 | V.R. | 1 | |
| | | | | |
| W1-W3 | ERJ8GEY0R00V | 1/4W 0 | 3 | |
| W4 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W5,W6 | ERJ8GEY0R00V | 1/4W 0 | 2 | |
| W7,W8 | ERJ6GEY0R00V | 1/8W 0 | 2 | |
| W9 | ERJ8GEY0R00V | 1/4W 0 | 1 | |
| W10 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| W12 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| W13,14 | ERJ8GEY0R00V | 1/4W 0 | 2 | |
| W16 | ERJ8GEY0R00V | 1/4W 0 | 1 | |
| | | | | |
| X0701 | VLF1416 | FILTER | 1 | J0B4045A0002 EG |
| X0701 | VLF1417 | FILTER | 1 | J0B4155A0003 EB |
| X0704 | VLF1493 | CRYSTAL OSCILLATOR | 1 | EG |
| X0704 | VLF1495 | CRYSTAL OSCILLATOR | 1 | EB |
| | | | | |
| ■ | 07 | REP3717H/RFKBE75VEB | | (DIGITAL P.C.B.) |
| | | | | |
| C3401 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C3402 | ECJ0EC1H220J | 50V 22P | 1 | |
| C3403 | ECJ0EB1A104K | 10V 0.1U | 1 | |
| C3404,05 | ECJ0EC1H220J | 50V 22P | 2 | |
| C3406 | ECJ0EB1A104K | 10V 0.1U | 1 | |
| C3407,08 | ECJ0EC1H100D | 50V 10P | 2 | |
| C3410 | ECJ0EB1C103K | 16V 0.01U | 1 | |
| C3411 | ECST0JX476R | 6.3V 47U | 1 | |
| C3417-19 | ECJ1VB0J105K | 6.3V 1U | 3 | |
| C3420 | ECJ0EB1C103K | 16V 0.01U | 1 | |
| C3421 | ECJ0EB1A104K | 10V 0.1U | 1 | |
| C3422 | ECJ0EB1C103K | 16V 0.01U | 1 | |
| C3423-28 | ECJ0EB1A104K | 10V 0.1U | 6 | |
| C3429,30 | ECJ2FB0J106K | 6.3V 10U | 2 | |
| C3431 | ECJ0EB1A104K | 10V 0.1U | 1 | |
| C3432 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C3433 | ECJ0EB1A104K | 10V 0.1U | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| C3435,36 | ECJ0EB1A104K | 10V 0.1U | 2 | |
| C3440 | EEEHB0J101P | 6.3V 100P | 1 | |
| C3441 | ECJ0EB1A104K | 10V 0.1U | 1 | |
| C4402 | EEEHB1C100R | 16V 10P | 1 | |
| C4403 | ECJ0EF1C104Z | 16V 0.1U | 1 | |
| C4404 | EEEHB0J101P | 6.3V 100P | 1 | |
| C4405,06 | ECJ0EF1C104Z | 16V 0.1U | 2 | |
| C4407 | EEEHB1C100R | 16V 10P | 1 | |
| C4408,09 | ECJ0EF1C104Z | 16V 0.1U | 2 | |
| C4410 | F2H0J331A016 | 6.3V 330U | 1 | |
| C4411 | ECJ0EF1C104Z | 16V 0.1U | 1 | |
| C4412 | EEEHB0J101P | 6.3V 100P | 1 | |
| C4415 | EEEHB0J470R | 6.3V 47P | 1 | |
| C4416 | ECJ0EF1C104Z | 16V 0.1U | 1 | |
| C4417 | ECST1AY106R | 10V 10U | 1 | |
| C4418 | ECJ0EF1C104Z | 16V 0.1U | 1 | |
| C4421 | ECJ0EB1E102K | 25V 1000P | 1 | |
| C4423,24 | ECJ0EB1E102K | 25V 1000P | 2 | |
| C4426 | ECJ0EF1C104Z | 16V 0.1U | 1 | |
| C6001 | ECJ0EF1C104Z | 16V 0.1U | 1 | |
| C6002 | ECJ2FB0J106K | 6.3V 10U | 1 | |
| C6003 | ECJ0EB1C103K | 16V 0.01U | 1 | |
| C9001,02 | ECJ0EC1H470J | 50V 47P | 2 | |
| C50001 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C50002 | EEEHB0J220R | 6.3V 22P | 1 | |
| C50004,05 | ECJ0EB1A104K | 10V 0.1U | 2 | |
| | | | | |
| D3401,02 | MA3S132E0L | DIODE | 2 | |
| D4401 | MA3Z142K0LG | DIODE | 1 | |
| | | | | |
| FL3401,02 | F1H0J4740004 | FILTER | 2 | |
| FL3404 | F1H0J4740004 | FILTER | 1 | |
| FL3406,07 | F1H0J4740004 | FILTER | 2 | |
| FL3409-12 | F1H0J4740004 | FILTER | 4 | |
| FL3414-26 | F1H0J4740004 | FILTER | 13 | |
| FL3429 | F1H0J4740004 | FILTER | 1 | |
| FL3431 | F1H0J4740004 | FILTER | 1 | |
| FL3433-35 | F1H0J4740004 | FILTER | 3 | |
| FL4401,02 | F1H0J4740004 | FILTER | 2 | |
| FL6001-06 | F1H0J4740004 | FILTER | 6 | |
| FL6008-17 | F1H0J4740004 | FILTER | 10 | |
| FL6020-23 | F1H0J4740004 | FILTER | 4 | |
| FL6701-03 | F1H0J4740004 | FILTER | 3 | |
| FL50001-06 | F1H0J4740004 | FILTER | 6 | |
| | | | | |
| FP3401 | K1MN40A00022 | CONNECTOR(40P) | 1 | |
| | | | | |
| IC3401 | AN13310B-VB | IC | 1 | |
| IC3402 | C3ABRG000036 | IC | 1 | |
| IC3404 | MN85573R | IC | 1 | |
| IC3406 | C1DB00001110 | IC | 1 | |
| IC3408 | C3ABPJ000052 | IC | 1 | |
| IC3409 | C0DBZGC00066 | IC | 1 | |
| IC4402 | C0FBBK000035 | IC | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| IC4403 | C0JBAD000107 | IC | 1 | |
| IC4404 | C0CBCBD00002 | IC | 1 | |
| IC4405 | C0ABBB000105 | IC | 1 | |
| IC4406 | C0FBAK000008 | IC | 1 | |
| IC6001 | MN2DS0011-HR | IC | 1 | |
| IC6002 | C0EBE0000130 | IC | 1 | |
| IC6003 | C3CBLD000088 | IC | 1 | |
| IC6004 | 74LVC244APWL | IC | 1 | C0JBAZ001466 |
| IC6005 | C3ABQG000068 | IC | 1 | |
| IC6701 | C1ZBZ0002429 | IC | 1 | |
| IC6702 | REP3717H | DIGITAL P.C.B. | 1 | EG |
| IC6702 | RFKBE75VEB | DIGITAL P.C.B. | 1 | EB |
| IC50001,02 | C3ABPG000067 | IC | 2 | |
| | | | | |
| LB3404,05 | J0JHC0000032 | COIL | 2 | |
| LB3408,09 | J0JHC0000032 | COIL | 2 | |
| LB4401 | J0JGC0000020 | COIL | 1 | |
| LB4402 | J0JHC0000032 | COIL | 1 | |
| LB4403,04 | J0JGC0000020 | COIL | 2 | |
| LB6001,02 | J0JHC0000032 | COIL | 2 | |
| LB9001,02 | J0JHC0000032 | COIL | 2 | |
| LB9006,07 | J0JCC0000103 | COIL | 2 | |
| LB9008 | J0JHC0000045 | COIL | 1 | |
| LB9009 | J0JHC0000046 | COIL | 1 | |
| LB50001-05 | J0JHC0000032 | COIL | 5 | |
| | | | | |
| P6002 | K1KA06A00394 | CONNECTOR(6P) | 1 | |
| P9001 | K1KB88A00002 | CONNECTOR(88P) | 1 | |
| | | | | |
| Q6001,02 | B1ABCF000114 | TRANSISTOR | 2 | |
| Q6701-05 | B1ABCF000114 | TRANSISTOR | 5 | |
| Q50001-05 | B1ADCF000081 | TRANSISTOR | 5 | |
| | | | | |
| QR3401 | UNR521L00L | TRANSISTOR | 1 | |
| | | | | |
| R3405 | ERJ2GEJ103 | 1/16W 10K | 1 | |
| R3407 | ERJ2GE0R00X | 1/16W 0 | 1 | |
| R3409 | ERJ2GE0R00X | 1/16W 0 | 1 | |
| R3410,11 | ERJ2GEJ101 | 1/16W 100 | 2 | |
| R3412 | ERJ2GEJ220X | 1/16W 22 | 1 | ERJ2RMJ220X |
| R3414 | ERJ2GEJ330X | 1/16W 33 | 1 | |
| R3415 | ERJ2GEJ220X | 1/16W 22 | 1 | ERJ2RMJ220X |
| R3416 | ERJ2GEJ472X | 1/16W 4.7K | 1 | ERJ2RMJ472X |
| R3417,18 | ERJ2GEJ103 | 1/16W 10K | 2 | |
| R3419-23 | ERJ2GEJ220X | 1/16W 22 | 5 | ERJ2RMJ220X |
| R3427 | ERJ2GEJ220X | 1/16W 22 | 1 | ERJ2RMJ220X |
| R3430 | ERJ2GEJ220X | 1/16W 22 | 1 | ERJ2RMJ220X |
| R3440 | ERJ2GEJ103 | 1/16W 10K | 1 | |
| R3442 | ERJ2GEJ103 | 1/16W 10K | 1 | |
| R3443-45 | ERJ2GE0R00X | 1/16W 0 | 3 | |
| R3447 | ERJ2RHD682 | 1/16W 6.8K | 1 | |
| R3448 | ERJ2GEJ562X | 1/16W 5.6K | 1 | |
| R3449 | ERJ2RHD682 | 1/16W 6.8K | 1 | |
| R3450 | ERJ2GEJ104 | 1/16W 100K | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| R3451 | ERJ2GEJ220X | 1/16W 22 | 1 | ERJ2RMJ220X |
| R3452 | ERJ2GE0R00X | 1/16W 0 | 1 | |
| R3453 | ERJ2GEJ220X | 1/16W 22 | 1 | ERJ2RMJ220X |
| R3454 | ERJ2GEJ390X | 1/16W 39 | 1 | ERJ2RMJ390X |
| R3455,56 | ERJ2GEJ220X | 1/16W 22 | 2 | ERJ2RMJ220X |
| R3457 | ERJ2GE0R00X | 1/16W 0 | 1 | |
| R3460-62 | ERJ2GEJ470 | 1/16W 47 | 3 | |
| R3463 | ERJ2GEJ820X | 1/16W 82 | 1 | |
| R3464 | ERJ2GEJ102X | 1/16W 1K | 1 | ERJ2RMJ102X |
| R3465 | ERJ2GEJ332X | 1/16W 3.3K | 1 | ERJ2RMJ332X |
| R3466 | ERJ2GEJ820X | 1/16W 82 | 1 | |
| R3467 | ERJ2GEJ562X | 1/16W 5.6K | 1 | |
| R3468 | ERJ2GEJ103 | 1/16W 10K | 1 | |
| R3470 | ERJ2GEJ103 | 1/16W 10K | 1 | |
| R3471 | ERJ2GEJ330X | 1/16W 33 | 1 | |
| R3472,73 | ERJ2GEJ220X | 1/16W 22 | 2 | ERJ2RMJ220X |
| R3476 | ERJ2GEJ102X | 1/16W 1K | 1 | ERJ2RMJ102X |
| R4402-06 | ERJ2GE0R00X | 1/16W 0 | 5 | |
| R4407 | JAR0816P103D | 1/16W 10K | 1 | D0HB103ZA002 |
| R4409 | JAR0816P562D | 1/16W 5.6K | 1 | D0HB562ZA002 |
| R4411 | JAR0816P103D | 1/16W 10K | 1 | D0HB103ZA002 |
| R4412 | JAR0816P562D | 1/16W 5.6K | 1 | D0HB562ZA002 |
| R4414,15 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| R4418 | ERJ2GEJ221 | 1/16W 220 | 1 | |
| R4419-22 | ERJ2GE0R00X | 1/16W 0 | 4 | |
| R4425 | ERJ2GEJ562X | 1/16W 5.6K | 1 | |
| R4426-28 | ERJ2GE0R00X | 1/16W 0 | 3 | |
| R6001 | ERJ2GEJ333X | 1/16W 33K | 1 | ERJ2RMJ333X |
| R6002 | ERJ2GEJ332X | 1/16W 3.3K | 1 | ERJ2RMJ332X |
| R6003 | ERJ2GEJ102X | 1/16W 1K | 1 | ERJ2RMJ102X |
| R6004 | ERJ2GEJ472X | 1/16W 4.7K | 1 | ERJ2RMJ472X |
| R6005 | ERJ2GEJ103 | 1/16W 10K | 1 | |
| R6006 | ERJ2GEJ153 | 1/16W 15K | 1 | |
| R6007 | ERJ2GEJ472X | 1/16W 4.7K | 1 | ERJ2RMJ472X |
| R6008 | ERJ2GEJ103 | 1/16W 10K | 1 | |
| R6009,10 | ERJ2GEJ330X | 1/16W 33 | 2 | |
| R6013 | ERJ2GEJ103 | 1/16W 10K | 1 | |
| R6018,19 | ERJ2GEJ220X | 1/16W 22 | 2 | ERJ2RMJ220X |
| R6020 | ERJ2GE0R00X | 1/16W 0 | 1 | |
| R6021,22 | ERJ2GEJ470 | 1/16W 47 | 2 | |
| R6023 | ERJ2GEJ332X | 1/16W 3.3K | 1 | ERJ2RMJ332X |
| R6028 | ERJ2GEJ470 | 1/16W 47 | 1 | |
| R6029 | ERJ2GEJ103 | 1/16W 10K | 1 | |
| R6031 | ERJ2GEJ470 | 1/16W 47 | 1 | |
| R6035 | ERJ2GEJ470 | 1/16W 47 | 1 | |
| R6036 | ERJ2GEJ332X | 1/16W 3.3K | 1 | ERJ2RMJ332X |
| R6037 | ERJ2GEJ333X | 1/16W 33K | 1 | ERJ2RMJ333X |
| R6038 | ERJ2GEJ103 | 1/16W 10K | 1 | |
| R6040 | ERJ2GEJ332X | 1/16W 3.3K | 1 | ERJ2RMJ332X |
| R6702-04 | ERJ2GEJ470 | 1/16W 47 | 3 | |
| R6706,07 | ERJ2GEJ470 | 1/16W 47 | 2 | |
| R6709,10 | ERJ2GEJ332X | 1/16W 3.3K | 2 | ERJ2RMJ332X |
| R6711,12 | ERJ2GEJ470 | 1/16W 47 | 2 | |
| R6713 | ERJ2GEJ103 | 1/16W 10K | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| R6714 | ERJ2GEJ333X | 1/16W 33K | 1 | ERJ2RMJ333X |
| R6715 | ERJ2GEJ470 | 1/16W 47 | 1 | |
| R6718 | ERJ2GE0R00X | 1/16W 0 | 1 | |
| R6720-28 | ERJ2GEJ470 | 1/16W 47 | 9 | |
| R6729 | ERJ2GEJ104 | 1/16W 100K | 1 | |
| R6730 | ERJ2GEJ103 | 1/16W 10K | 1 | |
| R6731 | ERJ2GEJ222X | 1/16W 22K | 1 | ERJ2RMJ222X |
| R6733 | ERJ2GEJ103 | 1/16W 10K | 1 | |
| R6735 | ERJ2GEJ472X | 1/16W 4.7K | 1 | ERJ2RMJ472X |
| R6737,38 | ERJ2GEJ470 | 1/16W 47 | 2 | |
| R6739 | ERJ2GEJ102X | 1/16W 1K | 1 | ERJ2RMJ102X |
| R6741 | ERJ2GEJ103 | 1/16W 10K | 1 | |
| R6742 | ERJ2GEJ332X | 1/16W 3.3K | 1 | ERJ2RMJ332X |
| R6743,44 | ERJ2GEJ103 | 1/16W 10K | 2 | |
| R6745-51 | ERJ2GEJ470 | 1/16W 47 | 7 | |
| R6752 | ERJ2GEJ101 | 1/16W 100 | 1 | |
| R6753-56 | ERJ2GEJ470 | 1/16W 47 | 4 | |
| R50001 | ERJ2GEJ220X | 1/16W 22 | 1 | ERJ2RMJ220X |
| R50002 | ERJ2GE0R00X | 1/16W 0 | 1 | |
| R50003 | ERJ2GEJ220X | 1/16W 22 | 1 | ERJ2RMJ220X |
| R50004 | ERJ2GE0R00X | 1/16W 0 | 1 | |
| R50005 | ERJ2GEJ330X | 1/16W 33 | 1 | |
| R50006,07 | ERJ2GEJ470 | 1/16W 47 | 2 | |
| R50008 | ERJ2GEJ220X | 1/16W 22 | 1 | ERJ2RMJ220X |
| R50009 | ERJ2GEJ103 | 1/16W 10K | 1 | |
| R50010 | ERJ2RHD242 | 1/16W 2.4K | 1 | |
| R50011 | ERJ2RHD223X | 1/16W 22K | 1 | |
| R50012,13 | ERJ2GE0R00X | 1/16W 0 | 2 | |
| R50015 | ERJ2RHD333 | 1/16W 33K | 1 | |
| R50016 | ERJ2RHD152 | 1/16W 1.5K | 1 | |
| R50017 | ERJ2RHD153 | 1/16W 15K | 1 | |
| R50018 | ERJ3RBD151 | 1/16W 150 | 1 | |
| R50019 | ERJ2GEJ330X | 1/16W 33 | 1 | |
| R50020 | ERJ2GEJ102X | 1/16W 1K | 1 | ERJ2RMJ102X |
| R50021 | ERJ3RED820 | 1/16W 82 | 1 | |
| R50022 | ERJ2GEJ330X | 1/16W 33 | 1 | |
| R50023 | ERJ2GEJ102X | 1/16W 1K | 1 | ERJ2RMJ102X |
| R50024 | ERJ3RED820 | 1/16W 82 | 1 | |
| R50025 | ERJ2GEJ330X | 1/16W 33 | 1 | |
| R50026 | ERJ2GEJ102X | 1/16W 1K | 1 | ERJ2RMJ102X |
| R50027 | ERJ3RBD151 | 1/16W 150 | 1 | |
| R50028 | ERJ2GEJ330X | 1/16W 33 | 1 | |
| R50029 | ERJ2GEJ102X | 1/16W 1K | 1 | ERJ2RMJ102X |
| R50030 | ERJ3RED220 | 1/16W 22 | 1 | |
| R50031 | ERJ3RBD151 | 1/16W 150 | 1 | |
| R50032 | ERJ2GEJ330X | 1/16W 33 | 1 | |
| R50033 | ERJ2GEJ102X | 1/16W 1K | 1 | ERJ2RMJ102X |
| R50034,35 | ERJ3RED160V | 1/16W 16 | 2 | |
| | | | | |
| RX3401-16 | D1H82204A024 | RESISTOR-RESISTOR | 16 | |
| RX3419-26 | D1H82204A024 | RESISTOR-RESISTOR | 8 | |
| RX3427-32 | D1H81034A024 | RESISTOR-RESISTOR | 6 | |
| RX3433-44 | D1H82204A024 | RESISTOR-RESISTOR | 12 | |
| RX6001 | D1H81034A024 | RESISTOR-RESISTOR | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| RX6005,06 | D1H83304A024 | RESISTOR-RESISTOR | 2 | |
| RX6009-26 | D1H83304A024 | RESISTOR-RESISTOR | 18 | |
| RX6027-32 | D1H84704A024 | RESISTOR-RESISTOR | 6 | |
| RX6033,34 | D1H83324A013 | RESISTOR-RESISTOR | 2 | |
| RX6035,36 | D1H83334A024 | RESISTOR-RESISTOR | 2 | |
| RX6037 | D1H81034A024 | RESISTOR-RESISTOR | 1 | |
| RX6038 | D1H83304A024 | RESISTOR-RESISTOR | 1 | |
| RX6039-42 | D1H85604A024 | RESISTOR-RESISTOR | 4 | |
| RX6043 | D1H81034A024 | RESISTOR-RESISTOR | 1 | |
| RX6044 | D1H83334A024 | RESISTOR-RESISTOR | 1 | |
| RX6706 | D1H84704A024 | RESISTOR-RESISTOR | 1 | |
| RX6708 | D1H84704A024 | RESISTOR-RESISTOR | 1 | |
| RX6711,12 | D1H83324A013 | RESISTOR-RESISTOR | 2 | |
| RX6716 | D1H84704A024 | RESISTOR-RESISTOR | 1 | |
| RX6717-19 | D1H83334A024 | RESISTOR-RESISTOR | 3 | |
| RX6720,21 | D1H83324A013 | RESISTOR-RESISTOR | 2 | |
| RX6724 | D1H84704A024 | RESISTOR-RESISTOR | 1 | |
| RX6726-28 | D1H84704A024 | RESISTOR-RESISTOR | 3 | |
| RX6731-34 | D1H84704A024 | RESISTOR-RESISTOR | 4 | |
| RX6735 | D1H82224A024 | RESISTOR-RESISTOR | 1 | |
| RX6736 | D1H81034A024 | RESISTOR-RESISTOR | 1 | |
| RX6737 | D1H84724A024 | RESISTOR-RESISTOR | 1 | |
| RX6738 | D1H83334A024 | RESISTOR-RESISTOR | 1 | |
| RX50001-16 | D1H84704A024 | RESISTOR-RESISTOR | 16 | |
| | | | | |
| X3401 | H0J270500069 | CRYSTAL OSCILLATOR | 1 | |
| | | | | |
| ■ | 08 | VEP09132A | | (DIGITAL IF P.C.B.) |
| | | | | |
| C11120 | ECQU2A683ML | 0.068U | 1 | ⚠ |
| C11122,23 | ECKWNA102MEV | 1000P | 2 | ⚠ |
| C11124 | ECKMNA102MEV | 0.01U | 1 | ⚠ |
| C11127 | ECQU2A223ML | 0.022U | 1 | ⚠ |
| C11141 | EEUED2G680E | 400V 68 | 1 | |
| C11150 | EEUFM1V680 | 35V 68U | 1 | |
| C11151 | F1B3A101A009 | 50V 100 | 1 | |
| C11152 | ECUV1H470JCG | 50V 47P | 1 | ECJ2VC1H470J |
| C11153 | ECJ2VB1H472K | 50V 4700P | 1 | |
| C11154 | ECJ2XB1H102K | 50V 1000P | 1 | ECJ2VB1H102K |
| C11200 | ECJ2VB1E104K | 25V 0.1U | 1 | |
| C11201 | ECJ2VB1E473K | 25V 0.047U | 1 | |
| C11270,71 | F2A1C1520011 | 16V 1500U | 2 | |
| C11272 | EEUFM1C471L | 16V 470U | 1 | |
| C11280 | ECA1EHG471 | 25V 470U | 1 | |
| C11281 | F2A1E2210050 | 25V 220U | 1 | |
| C11401 | EEUFM1C471L | 16V 470U | 1 | |
| C11403 | ECJ2XF1H104Z | 50V 0.1U | 1 | |
| C11404 | ECJ2XB1H102K | 50V 1000P | 1 | ECJ2VB1H102K |
| C11405 | ECJ2VB1E104K | 25V 0.1U | 1 | |
| C11406 | ECJ2XB1H102K | 50V 1000P | 1 | ECJ2VB1H102K |
| C11407 | ECJ2VB1E473K | 25V 0.047U | 1 | |
| C11408 | ECJ2XB1H102K | 50V 1000P | 1 | ECJ2VB1H102K |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| C11470 | EEUFM1A102 | 10V 1000U | 1 | |
| C11471 | ECA1AHG221 | 10V 220U | 1 | |
| C11501 | F2A1E2210050 | 25V 220U | 1 | |
| C11502 | ECJ2XF1C105Z | 16V 1U | 1 | |
| C11503 | ECJ2VB1H103K | 50V 0.01U | 1 | |
| C11505 | ECJ2VB1H472K | 50V 4700P | 1 | |
| C11506 | ECJ2XB1H102K | 50V 1000P | 1 | ECJ2VB1H102K |
| C11508 | ECJ2XC1H331J | 16V 330P | 1 | |
| C11570 | F2A1A6810017 | 10V 680U | 1 | |
| C31001-04 | ECJ1VB1H103K | 50V 0.01U | 4 | |
| C31400 | F2A1E2210050 | 25V 220U | 1 | |
| C31401,02 | ECJ2XF1H104Z | 50V 0.1U | 2 | |
| C31403 | ECJ2VB1H103K | 50V 0.01U | 1 | |
| C31404 | ECJ2VC1H680J | 50V 68P | 1 | |
| C31405 | ECJ2VB1E104K | 25V 0.1U | 1 | |
| C31406 | F2A1A6810017 | 10V 680U | 1 | |
| C31407 | F2A1E2210050 | 25V 220U | 1 | |
| C31408 | ECJ2XF1C105Z | 16V 1U | 1 | |
| C31409 | ECJ2VB1H103K | 50V 0.01U | 1 | |
| C31410 | ECJ2XC1H331J | 16V 330P | 1 | |
| C31411 | ECJ2VB1H472K | 50V 4700P | 1 | |
| C31412 | ECJ2XB1H102K | 50V 1000P | 1 | ECJ2VB1H102K |
| C31413 | F2A1A6810017 | 10V 680U | 1 | |
| C31416 | ECJ2VB1H472K | 50V 4700P | 1 | |
| C31513 | ECJ1VB1A105K | 10V 1U | 1 | |
| C31514 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C31515 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C31516 | ECJ1VB1A105K | 10V 1U | 1 | |
| C31518 | F2A1A470A388 | 10V 47U | 1 | |
| C31520 | ECJ1VB1A105K | 10V 1U | 1 | |
| C31521 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C31522 | ECUX1H331KBV | 50V 330P | 1 | ECJ1VB1H331K |
| C31523 | ECJ1VB1A105K | 10V 1U | 1 | |
| C31524 | F2A1A470A388 | 10V 47U | 1 | |
| C31527,28 | ECJ1VB0J105K | 6.3V 1U | 2 | |
| C31531 | F2A1A470A388 | 10V 47U | 1 | |
| C31533,34 | ECJ1VB0J105K | 6.3V 1U | 2 | |
| C31537 | F2A1A101A389 | 10V 100U | 1 | |
| C31909-12 | ECJ1VB1H103K | 50V 0.01U | 4 | |
| C33731 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| C33734 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C33735 | ECEA0JKN470 | 6.3V 47U | 1 | |
| C33738 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| C33740 | ECEA0JKN470 | 6.3V 47U | 1 | |
| C34028,29 | F2A1C100A019 | 16V 10U | 2 | |
| C37401-04 | ECEA0JKS470 | 6.3V 47U | 4 | |
| C37405 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C37406 | ECEA0JKS470 | 6.3V 47U | 1 | |
| C37503 | VCE0073-T | CAPACITOR | 1 | F4D55473A005 |
| C37504 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C37546 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C37562 | ECJ2YB0J475K | 6.3V 4.7U | 1 | F1J0J475A008 |
| C37563 | ECJ1VC1H101J | 50V 100P | 1 | |
| C37565 | ECJ2YB0J475K | 6.3V 4.7U | 1 | F1J0J475A008 |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| C37566,67 | ECJ1XB1C104K | 16V 0.1U | 2 | |
| C37569 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C37579-82 | ECJ1VC1H100C | 50V 10P | 4 | |
| C37583 | ECJ1VC1H101J | 50V 100P | 1 | |
| C37584,85 | ECJ1VC1H270J | 50V 27P | 2 | |
| C37586,87 | ECJ1VC1H180J | 50V 18P | 2 | |
| C37588 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C37589 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C37591 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C37592,93 | ECJ1VC1H100C | 50V 10P | 2 | |
| C37595 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C37596 | ECJ1VC1H470J | 50V 47P | 1 | |
| C37597 | ECJ1VB1H103K | 50V 0.01U | 1 | |
| C37598 | ECJ1VC1H470J | 50V 47P | 1 | |
| C37599 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C37600 | ECJ1VC1H470J | 50V 47P | 1 | |
| C37601 | ECJ1XB1C104K | 16V 0.1U | 1 | |
| C37602,03 | ECJ1VF1H103Z | 50V 0.01U | 2 | |
| C37604 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C37607 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C37609,10 | ECJ1VF1H103Z | 50V 0.01U | 2 | |
| C37618 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C37620 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C37626 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C37633 | ECEA0JKS331 | 6.3V 330U | 1 | |
| C37636 | ECJ1VF1A105Z | 10V 1U | 1 | |
| C37639 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C37651 | F2A0J470A012 | 6.3V 47U | 1 | |
| C37652 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| | | | | |
| D11110 | ERZVA5V471 | SURGE ABSORBER | 1 | ⚠ |
| D11141 | B0EBKT000006 | DIODE | 1 | |
| D11151 | B0HAGM000006 | DIODE | 1 | |
| D11152 | MA8091MTX | DIODE | 1 | MAZ80910ML |
| D11153 | MA165TA5 | DIODE | 1 | MA2C16500E |
| D11155 | MAZ73000BC | DIODE | 1 | |
| D11156 | B0BB20000004 | DIODE | 1 | |
| D11157 | ERA22-06 | DIODE | 1 | B0HAGR000001 |
| D11158 | MAZ73000BC | DIODE | 1 | |
| D11270 | B0JBSG000010 | DIODE | 1 | |
| D11280,81 | B0JAMK000004 | DIODE | 2 | |
| D11400 | MA2Q73800L | DIODE | 1 | |
| D11401 | MA2J11100L | DIODE | 1 | |
| D11500 | MA2Q73800L | DIODE | 1 | |
| D31400,01 | MA2Q73800L | DIODE | 2 | |
| D37509 | B0JACE000001 | DIODE | 1 | |
| D37512 | VLQ0599J680 | COIL 68UH | 1 | G0C680JA0026 |
| | | | | |
| F11101 | K5D202BK0005 | FUSE | 1 | ⚠ |
| | | | | |
| IC11150 | C0DACZH00008 | IC | 1 | |
| IC11200 | C0DAEMB00003 | IC | 1 | |
| IC11400 | C0DBAZH00013 | IC | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| IC11500 | C0DAAJG00007 | IC | 1 | |
| IC31400 | C0DBAKG00005 | IC | 1 | |
| IC31401 | C0DAAJG00007 | IC | 1 | |
| IC31505 | C0CBCDD00008 | IC | 1 | |
| IC31506 | C0DBAHG00013 | IC | 1 | |
| IC31507 | C0CBCDD00006 | IC | 1 | |
| IC31508 | C0DBEGD00002 | IC | 1 | |
| IC31509 | C0DBEFG00003 | IC | 1 | |
| IC31510 | C0DBEGG00003 | IC | 1 | |
| IC37501 | C2CBJG000358 | IC | 1 | |
| IC37502 | C3EBJC000038 | IC | 1 | |
| IC37503 | C0EBH0000172 | IC | 1 | |
| IC37505 | C0EBE0000194 | IC | 1 | |
| IC37506 | C0ABBA000146 | IC | 1 | |
| IC37508 | C0EBE0000218 | IC | 1 | |
| | | | | |
| IP11400 | K5H3022A0013 | IC PROTECTOR | 1 | ⚠ |
| IP11500 | K5H3022A0013 | IC PROTECTOR | 1 | ⚠ |
| IP31400,01 | K5H2022A0011 | IC PROTECTOR | 2 | ⚠ |
| | | | | |
| L11120,21 | G0B233D00001 | COIL | 2 | ⚠ |
| L11270 | G0A100H00011 | COIL 10UH | 1 | |
| L11271 | G0A220G00018 | COIL 22UH | 1 | |
| L11280 | G0A220G00018 | COIL 22UH | 1 | |
| L11400 | G0A100H00014 | COIL 10UH | 1 | |
| L11401 | G0A220ZA0030 | COIL 22UH | 1 | |
| L11402 | G0A100H00011 | COIL 10UH | 1 | |
| L11500 | G0A100H00014 | COIL 10UH | 1 | |
| L11501 | G0A470ZA0030 | COIL 47UH | 1 | |
| L31001 | G0A220G00018 | COIL 22UH | 1 | |
| L31400 | G0A220G00018 | COIL 22UH | 1 | |
| L31401 | G0A330ZA0030 | COIL 33UH | 1 | |
| L31402 | G0A470ZA0030 | COIL 47UH | 1 | |
| | | | | |
| LB11122 | J0JKB0000003 | COIL | 1 | |
| LB11127 | J0JHC0000012 | COIL | 1 | |
| LB11400,01 | ERJ6GEY0R00V | 1/8W 0 | 2 | |
| LB11402-04 | J0JHC0000012 | COIL | 3 | |
| LB31001-07 | J0JHC0000032 | COIL | 7 | |
| LB31401 | J0JHC0000012 | COIL | 1 | |
| LB31902-04 | J0JHC0000032 | COIL | 3 | |
| LB34001-03 | J0JCC0000103 | COIL | 3 | |
| LB34004 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| LB37402 | J0JHC0000032 | COIL | 1 | |
| LB37501 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| LB37506,07 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| LB37508 | VLP0175 | COIL | 1 | J0JCC0000060 |
| LB37509 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| | | | | |
| P11101 | K2AA2H000007 | AC INLET | 1 | ⚠ |
| P11103 | K1KA04A00192 | CONNECTOR(4P) | 1 | |
| P31901 | K1KA13A00074 | CONNECTOR(13P) | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| P31902,03 | K1KA19A00007 | CONNECTOR(19P) | 2 | |
| P31904 | K1KA13A00074 | CONNECTOR(13P) | 1 | |
| P31905 | K1KA07A00083 | CONNECTOR(7P) | 1 | |
| P37503 | K1KA03A00173 | CONNECTOR(3P) | 1 | |
| P39702 | K1KA88A00003 | CONNECTOR(88P) | 1 | |
| | | | | |
| PP31903 | K1KB08B00043 | CONNECTOR(8P) | 1 | |
| PP31904 | K1KB10B00045 | CONNECTOR(FEMALE) 10P | 1 | |
| | | | | |
| Q11200 | PC123ZY2 | TRANSISTOR | 1 | B3PBA0000078 ⚠ |
| Q11270 | B1DHDD000022 | TRANSISTOR | 1 | |
| Q31401 | B1DHDD000022 | TRANSISTOR | 1 | |
| Q37401-04 | 2SD0601A | TRANSISTOR | 4 | |
| Q37505 | 2SB1218A | TRANSISTOR | 1 | |
| Q37506 | 2SD1819AWL | TRANSISTOR | 1 | |
| Q37507 | 2SB1218A | TRANSISTOR | 1 | |
| Q37508 | 2SD1819AWL | TRANSISTOR | 1 | |
| Q37512 | 2SD0874A0L | TRANSISTOR | 1 | |
| | | | | |
| QR11300,01 | UNR221300L | TRANSISTOR | 2 | |
| QR31300 | UNR221300L | TRANSISTOR | 1 | |
| QR31301 | XN4213 | TRANSISTOR | 1 | XN04213 |
| QR34001,02 | XN0421100L | TRANSISTOR | 2 | |
| QR37401 | UN5211 | TRANSISTOR | 1 | UNR5211 |
| QR37501 | UN5113TW | TRANSISTOR | 1 | |
| QR37502 | UN5212TX | TRANSISTOR | 1 | UNR521200L |
| | | | | |
| R11150,51 | ERJ6GEYJ470V | 1/8W 47 | 2 | |
| R11152 | ERJ6GEYJ133V | 1/8W 13K | 1 | |
| R11154 | ERJ6GEYG331 | 1/8W 330 | 1 | |
| R11155 | ERJ6GEYG912 | 1/8W 9.1K | 1 | |
| R11156 | ERJ6GEYG133 | 1/8W 13K | 1 | |
| R11157 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| R11158 | ERJ6GEYJ102V | 1/8W 1K | 1 | |
| R11159 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| R11200 | ERJ6GEYJ821V | 1/8W 820 | 1 | |
| R11201 | ERJ6GEYJ103V | 1/8W 10K | 1 | |
| R11202 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| R11204 | ERJ6GEYG912 | 1/8W 9.1K | 1 | |
| R11205 | ERJ6RBD273 | 1/10W 27K | 1 | |
| R11206 | ERJ6GEYG272V | 1/8W 2.7K | 1 | |
| R11209,10 | ERJ6GEYJ102V | 1/8W 1K | 2 | |
| R11211 | ERJ6GEYG112 | 1/8W 1.1K | 1 | |
| R11270 | ERJ6GEYJ472V | 1/8W 4.7K | 1 | |
| R11280-87 | ERJ8GEYJ121V | 1/4W 120 | 8 | |
| R11400 | ERJ6GEYJ470V | 1/8W 47 | 1 | |
| R11401 | ERJ6RED134 | 1/10W 8.2K | 1 | |
| R11402 | ERJ6GEYJ104V | 1/8W 100K | 1 | |
| R11403 | ERJ6GEYG105 | 1/8W 1M | 1 | |
| R11404 | ERJ6RBB472 | 1/10W 4.7K | 1 | |
| R11405 | ERJ6GEYJ3R3V | 1/8W 3.3 | 1 | D0GD3R3JA003 |
| R11406 | ERJ6RBD271 | 1/10W 270 | 1 | |
| R11407 | ERJ6RBD102 | 1/10W 1K | 1 | |
| R11408-10 | D1BDR1800001 | 1/10W 18 | 3 | |

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|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| R11411 | ERJ6RBD102 | 1/10W 1K | 1 | |
| R11412 | ERJ6RBD271 | 1/10W 270 | 1 | |
| R11413 | ERJ6GEYJ103V | 1/8W 10K | 1 | |
| R11414,15 | ERJ6RBD222 | 1/10W 2.2K | 2 | |
| R11416 | ERJ6RBD112 | 1/10W 1.1K | 1 | |
| R11501 | ERJ6GEYJ104V | 1/8W 100K | 1 | |
| R11502 | ERJ6RBD512 | 1/10W 5.1K | 1 | |
| R11503 | ERJ6RBD391 | 1/10W 390 | 1 | |
| R11504 | ERJ6RBD102 | 1/10W 1K | 1 | |
| R31401 | D1BFR039A010 | 1/10W 39 | 1 | |
| R31402 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| R31403 | ERJ6GEYJ103V | 1/8W 10K | 1 | |
| R31404 | ERJ6RBD123 | 1/10W 12K | 1 | |
| R31406 | ERJ6GEYJ104V | 1/8W 100K | 1 | |
| R31407 | ERJ6RBD302 | 1/10W 3K | 1 | |
| R31409 | ERJ6RBD102 | 1/10W 1K | 1 | |
| R31410 | ERJ6RBD822V | 1/10W 8.2K | 1 | |
| R31411 | ERJ6ENF3300 | 1/8W 3.3K | 1 | ERJ6RBD331V |
| R31412 | ERJ6GEYJ513V | 1/8W 51K | 1 | |
| R31504 | ERDS2FJ271 | 1/4W 270 | 1 | |
| R31506 | ERDS2FJ271 | 1/4W 270 | 1 | |
| R31507 | ERJ3RED330 | 1/16W 33 | 1 | |
| R31508 | ERJ3RBD201 | 1/16W 200 | 1 | |
| R31509 | ERJ3RBD102V | 1/16W 1K | 1 | |
| R31510 | ERJ3RED220 | 1/16W 22 | 1 | |
| R31511 | ERJ3RBD182V | 1/16W 1.8K | 1 | |
| R31512 | ERJ3RBD202 | 1/16W 2K | 1 | |
| R34043,44 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| R34049,50 | ERJ3GEYJ103V | 1/10W 10K | 2 | D0GB103JA002 |
| R37401 | ERJ3GEYJ333V | 1/10W 33K | 1 | D0GB333JA002 |
| R37402 | ERJ3GEYJ223V | 1/10W 22K | 1 | D0GB223JA002 |
| R37403 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R37404 | ERJ3GEYJ472V | 1/10W 4.7K | 1 | |
| R37405 | ERJ3GEYJ333V | 1/10W 33K | 1 | D0GB333JA002 |
| R37406 | ERJ3GEYJ223V | 1/10W 22K | 1 | D0GB223JA002 |
| R37407 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R37408 | ERJ3GEYJ333V | 1/10W 33K | 1 | D0GB333JA002 |
| R37409 | ERJ3GEYJ223V | 1/10W 22K | 1 | D0GB223JA002 |
| R37410 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R37411 | ERJ3GEYJ333V | 1/10W 33K | 1 | D0GB333JA002 |
| R37412 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R37413 | ERJ3GEYJ223V | 1/10W 22K | 1 | D0GB223JA002 |
| R37501 | ERJ3GEYJ101 | 1/10W 100 | 1 | D0GB101JA002 |
| R37502 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R37503 | ERJ3GEYJ101 | 1/10W 100 | 1 | D0GB101JA002 |
| R37504 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R37505 | ERJ3GEYJ392V | 1/10W 3.9K | 1 | |
| R37508 | ERJ3GEYJ104 | 1/10W 100K | 1 | |
| R37516 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R37517 | ERJ3GEYJ104 | 1/10W 100K | 1 | |
| R37519 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R37520 | ERJ3GEYJ104 | 1/10W 100K | 1 | |
| R37521 | ERJ3GEYG152 | 1/10W 1.5K | 1 | |
| R37522 | ERJ3GEYG562V | 1/10W 5.6K | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| R37523 | ERJ3GEYD153V | 1/10W 15K | 1 | D0HB153ZA002 |
| R37530-33 | ERJ3GEYJ473V | 1/10W 47K | 4 | D0GB473JA002 |
| R37534-37 | ERJ3GEYJ101 | 1/10W 100 | 4 | D0GB101JA002 |
| R37538 | ERJ3GEYJ472V | 1/10W 4.7K | 1 | |
| R37539 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R37540 | ERJ3GEYJ332V | 1/10W 3.3K | 1 | D0GB332JA002 |
| R37541 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R37542 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R37544,45 | ERJ3GEYJ221V | 1/10W 220 | 2 | |
| R37546,47 | ERJ3GEYJ472V | 1/10W 4.7K | 2 | |
| R37548 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R37549 | ERJ3GEYJ511 | 1/10W 510 | 1 | |
| R37550,51 | ERJ3GEYJ202V | 1/10W 2K | 2 | |
| R37552 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R37554 | ERJ3GEYJ101 | 1/10W 100 | 1 | D0GB101JA002 |
| R37556 | ERJ3GEYJ101 | 1/10W 100 | 1 | D0GB101JA002 |
| R37557 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R37558,59 | ERJ3GEYJ101 | 1/10W 100 | 2 | D0GB101JA002 |
| R37561 | ERDS2TJ392 | 1/4W 3.9K | 1 | |
| R37562 | ERJ3GEYJ101 | 1/10W 100 | 1 | D0GB101JA002 |
| R37569 | ERJ3GEYJ101 | 1/10W 100 | 1 | D0GB101JA002 |
| R37571,72 | ERJ3GEYJ101 | 1/10W 100 | 2 | D0GB101JA002 |
| R37573 | ERJ3GEYJ181V | 1/10W 180 | 1 | |
| R37575 | ERJ3GEYJ104 | 1/10W 100K | 1 | |
| R37577,78 | ERJ3GEYJ101 | 1/10W 100 | 2 | D0GB101JA002 |
| R37581 | ERJ3GEYG393V | 1/10W 39K | 1 | |
| R37582 | ERJ3GEYG433 | 1/10W 43K | 1 | |
| R37583,84 | ERJ3GEYJ473V | 1/10W 47K | 2 | D0GB473JA002 |
| R37585 | ERJ3GEYJ223V | 1/10W 22K | 1 | D0GB223JA002 |
| R37596 | ERJ3GEYJ473V | 1/10W 47K | 1 | D0GB473JA002 |
| R37597 | ERJ3GEYD153V | 1/10W 15K | 1 | D0HB153ZA002 |
| R37599 | ERJ3GEYJ223V | 1/10W 22K | 1 | D0GB223JA002 |
| R37600 | ERJ3GEYD153V | 1/10W 15K | 1 | D0HB153ZA002 |
| R37601 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R37602 | ERJ3GEYJ821V | 1/10W 820 | 1 | |
| R37603 | ERJ3GEYJ183V | 1/10W 18K | 1 | D0GB183JA002 |
| R37604-06 | ERJ3GEYJ822V | 1/10W 8.2K | 3 | D0GB822JA002 |
| R37612 | ERJ3GEYJ681V | 1/10W 680 | 1 | D0GB681JA002 |
| R37633 | ERJ3GEYJ223V | 1/10W 22K | 1 | D0GB223JA002 |
| R37635 | ERJ3GEYJ101 | 1/10W 100 | 1 | D0GB101JA002 |
| R39701 | ERJ3GEYJ101 | 1/10W 100 | 1 | D0GB101JA002 |
| | | | | |
| T11150 | G4D3A0000151 | SWITCHING TRANSFORMERS | 1 | ⚠ |
| | | | | |
| W301 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W302-04 | ERJ3GEY0R00V | 1/10W 0 | 3 | |
| W305 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W306,07 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| W308 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W309,10 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| W311-14 | ERJ6GEY0R00V | 1/8W 0 | 4 | |
| W315 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| W316 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| W317-21 | ERJ3GEY0R00V | 1/10W 0 | 5 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| W322 | ERJ6GEY0R00V | 1/8W 0 | 1 | |
| | | | | |
| X37501 | VSX1043-T | CRYSTAL OSCILLATOR | 1 | H0D100500006 |
| X37502 | H0A327200026 | OSCILLATOR | 1 | |
| | | | | |
| ZA11103,04 | K3GD9BB00001 | FUSE HOLDER | 2 | |
| ZA11150 | VSC5603 | HEAT SINK | 1 | |
| ZA11270 | VSC5614 | HEAT SINK | 1 | |
| | | | | |
| ZJ37401 | VJR0978 | EARTH ANGLE | 1 | K9ZZ00000424 |
| ZJ37404-07 | VJR0978 | EARTH ANGLE | 4 | K9ZZ00000424 |
| | | | | |
| ■ | 09 | VEP07A74C | | (FL DRIVE P.C.B.) |
| | | | | |
| C7501 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C7502 | ECEA0JKA470 | 6.3V 47U | 1 | |
| C7505 | ECJ1VF1A105Z | 10V 1U | 1 | |
| C7525 | ECJ1VC1H101J | 50V 100P | 1 | |
| | | | | |
| D7501 | B3ABA0000402 | DIODE | 1 | |
| D7507 | B3AAA0000540 | DIODE | 1 | |
| | | | | |
| DP7501 | A2BB00000133 | FL DISPLAY TUBE | 1 | |
| | | | | |
| IC7502 | C0HBB0000033 | IC | 1 | |
| | | | | |
| L7501 | G0C220JA0019 | COIL 22UH | 1 | |
| | | | | |
| LB7501,02 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| | | | | |
| PP7501 | K1KA10B00176 | CONNECTOR(10P) | 1 | |
| PP7502,03 | K1KA08B00210 | CONNECTOR(8P) | 2 | |
| | | | | |
| Q7501 | 2SD1819AWL | TRANSISTOR | 1 | |
| | | | | |
| QR7501 | UN5211 | TRANSISTOR | 1 | UNR5211 |
| QR7510 | UN5211 | TRANSISTOR | 1 | UNR5211 |
| | | | | |
| R7501 | ERJ3GEYJ122 | 1/10W 1.2K | 1 | |
| R7502 | ERJ3GEYJ152V | 1/10W 1.5K | 1 | |
| R7504 | ERJ3GEYJ122 | 1/10W 1.2K | 1 | |
| R7505 | ERJ3GEYJ273V | 1/10W 27K | 1 | D0GB273JA002 |
| R7506 | ERJ3GEYJ222V | 1/10W 2.2K | 1 | D0GB222JA002 |
| R7507 | ERJ3GEYJ332V | 1/10W 3.3K | 1 | D0GB332JA002 |
| R7508 | ERJ6GEYJ221V | 1/8W 220 | 1 | |
| R7510 | ERDS2FJ5R6 | 1/4W 5.6 | 1 | |
| R7512 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R7513 | ERJ3GEYJ683V | 1/10W 68K | 1 | D0GB683JA002 |
| R7514 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R7515 | ERJ3GEYJ101 | 1/10W 100 | 1 | D0GB101JA002 |
| R7526,27 | ERJ3GEYJ101 | 1/10W 100 | 2 | D0GB101JA002 |
| R7539 | ERJ6GEYJ221V | 1/8W 220 | 1 | |
| | | | | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| S7501 | EVQ11G04M | SWITCH,DVD OPEN/CLOSE | 1 | |
| S7502 | EVQ11G07K | SWITCH,TO DVD | 1 | |
| S7503 | EVQ11G07K | SWITCH,TO VHS | 1 | |
| S7504 | EVQ11G07K | SWITCH,DVD REC | 1 | |
| S7505 | EVQ11G07K | SWITCH,DVD CH-UP | 1 | |
| S7506 | EVQ11G07K | SWITCH,DVD CH-DOWN | 1 | |
| S7507 | EVQ11G07K | SWITCH,DVD PLAY | 1 | |
| S7508 | EVQ11G07K | SWITCH,DVD STOP | 1 | |
| | | | | |
| W501-07 | ERJ3GEY0R00V | 1/10W 0 | 7 | |
| | | | | |
| ■ | 10 | VEP04868C | | (FRONT JACK P.C.B.) |
| | | | | |
| C4801 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C4802 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C4803,04 | ECJ1VC1H101J | 50V 100P | 2 | |
| C4805,06 | ECJ1VB1H102K | 50V 1000P | 2 | |
| C7801 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| | | | | |
| IC7801 | PNA4618M12VT | IC | 1 | |
| | | | | |
| JK4801 | K2HA307A0003 | JACK,AV3 | 1 | |
| JK4802 | K2HZ107A0001 | JACK,S-VIDEO IN | 1 | |
| | | | | |
| LB4801-03 | ERJ3GEY0R00V | 1/10W 0 | 3 | |
| | | | | |
| PP4801 | K1KA12B00129 | CONNECTOR(12P) | 1 | |
| | | | | |
| R4801-03 | ERJ3EKF75R0 | 1/10W 75 | 3 | |
| R4804 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R4805,06 | ERJ3GEYJ471V | 1/10W 470 | 2 | |
| R7801 | ERJ3GEYJ221V | 1/10W 220 | 1 | |
| R7802 | ERJ3GEYJ182V | 1/10W 1.8K | 1 | |
| R7803 | ERJ3GEYJ332V | 1/10W 3.3K | 1 | D0GB332JA002 |
| R7804 | ERJ3GEYJ472V | 1/10W 4.7K | 1 | |
| R7806 | ERJ3GEYJ682V | 1/10W 6.8K | 1 | D0GB682JA002 |
| R7807 | ERJ3GEYJ182V | 1/10W 1.8K | 1 | |
| R7808 | ERJ3GEYJ332V | 1/10W 3.3K | 1 | D0GB332JA002 |
| R7809 | ERJ3GEYJ472V | 1/10W 4.7K | 1 | |
| R7810 | ERJ3GEYJ682V | 1/10W 6.8K | 1 | D0GB682JA002 |
| R7812 | ERJ3GEYJ123V | 1/10W 12K | 1 | |
| | | | | |
| S7801 | EVQ11G07K | SWITCH,VHS CH-UP | 1 | |
| S7802 | EVQ11G07K | SWITCH,VHS STOP | 1 | |
| S7803 | EVQ11G07K | SWITCH,VHS SKIP-R | 1 | |
| S7805 | EVQ11G07K | SWITCH,VHS FF | 1 | |
| S7806 | EVQ11G07K | SWITCH,VHS POWER | 1 | |
| S7807 | EVQ11G07K | SWITCH,VHS REC | 1 | |
| S7808 | EVQ11G07K | SWITCH,VHS STOP | 1 | |
| S7809 | EVQ11G07K | SWITCH,VHS CH-DOWN | 1 | |
| S7810 | EVQ11G07K | SWITCH,VHS SKIP-F | 1 | |
| S7812 | EVQ11G07K | SWITCH,VHS REW | 1 | |
| S7813 | EVQ11G07K | SWITCH,VHS EJECT | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| | | | | |
| ■ | 11 | VEP03G68A/B | | (I/O P.C.B.) |
| | | | | |
| C43701 | ECJ1VB1H103K | 50V 0.01U | 1 | |
| C43702,03 | ECJ1VB0J105K | 6.3V 1U | 2 | |
| C43707,08 | ECEA0JKN470 | 6.3V 47U | 2 | |
| C43709,10 | ECJ1XB1C104K | 16V 0.1U | 2 | |
| C43711 | ECJ1VB0J105K | 6.3V 1U | 1 | |
| C43712 | F2A0J221A245 | 6.3V 220U | 1 | |
| C43713 | ECJ1VB1H103K | 50V 0.01U | 1 | |
| C43720 | F2A0J102A247 | 6.3V 1000U | 1 | |
| C43721 | F2A0J101A245 | 6.3V 100U | 1 | |
| C43722,23 | ECEA0JKS331 | 6.3V 330U | 2 | |
| C44001,02 | ECJ1VF1H103Z | 50V 0.01U | 2 | |
| C44003-06 | F2A1H1R0A234 | 50V 1U | 4 | |
| C44007 | ECEA1HKA4R7 | 50V 4.7U | 1 | EB |
| C44008,09 | F2A1V100A184 | 35V 10U | 2 | EB |
| C44011 | ECJ1VB1H103K | 50V 0.01U | 1 | |
| C44013,14 | F2A1H1R0A234 | 50V 1U | 2 | |
| C44016 | F2A1C221A019 | 16V 220U | 1 | |
| C44017 | ECJ1XC1H820J | 50V 82 | 1 | ECJ1VC1H820J EB |
| C44019 | ECJ1XC1H820J | 50V 82 | 1 | ECJ1VC1H820J EB |
| C44022 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C44023 | F2A1C471A236 | 16V 470U | 1 | |
| C44026,27 | F2A1H1R0A234 | 50V 1U | 2 | |
| C44031,32 | ECJ1VC1H151J | 50V 150P | 2 | |
| C44033 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C44036 | F2A1C4700011 | 16V 47U | 1 | |
| C44037 | F2A1C221A019 | 16V 220U | 1 | |
| C44038 | F2A1C4700011 | 16V 47U | 1 | |
| C44043 | ECJ1VF1C104Z | 16V 0.1U | 1 | |
| C44044 | F2A1C102A236 | 16V 1000U | 1 | |
| C44045,46 | ECJ1VF1C104Z | 16V 0.1U | 2 | |
| C44047 | ECQV1H104JL | 50V 0.1U | 1 | |
| C44049 | F2A0J471A247 | 6.3V 470U | 1 | |
| C44050 | ECQV1H104JL | 50V 0.1U | 1 | |
| C44052 | F2A1C471A236 | 16V 470U | 1 | |
| C44058 | ECQV1H104JL | 50V 0.1U | 1 | |
| C44501-03 | F2A1V100A184 | 35V 10U | 3 | |
| C44504 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C44505 | F2A1V100A184 | 35V 10U | 1 | |
| C44507,08 | F2A1V100A184 | 35V 10U | 2 | |
| C44509 | ECEA1AKS101 | 10V 100U | 1 | |
| C47425,26 | ECJ1VB0J105K | 6.3V 1U | 2 | |
| C47427 | ECEA1CKS100 | 16V 10U | 1 | |
| C47428 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C47458-60 | ECEA1CKS100 | 16V 10U | 3 | |
| C47461 | ECEA1AKS101 | 10V 100U | 1 | |
| C47462 | ECEA1CKA470 | 16V 47U | 1 | |
| C47463 | ECJ1VF1H103Z | 50V 0.01U | 1 | |
| C47464 | ECEA1CKS100 | 16V 10U | 1 | |
| | | | | |
| D44501 | MA3Z142D0RG | DIODE | 1 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| | | | | |
| IC43701 | C1AB00001486 | IC | 1 | |
| IC43702 | C9ZB00000377 | IC | 1 | |
| IC44001 | C1AB00001920 | IC | 1 | |
| IC44002 | NJM3414AMTE1 | IC | 1 | C0ABBA000054 |
| IC44003 | C0CBCDC00028 | IC | 1 | |
| IC44004 | C0CBCDC00026 | IC | 1 | |
| IC44005 | C0CBCDC00027 | IC | 1 | |
| IC44501 | NJM4558M | IC | 1 | C0ABBB000044 |
| IC44502 | C0JBAR000285 | IC | 1 | |
| IC47403 | C1AB00001486 | IC | 1 | |
| IC47406 | C0JBAR000285 | IC | 1 | |
| IC47407 | NJM4558M | IC | 1 | C0ABBB000044 |
| | | | | |
| L47402 | G0C220JA0019 | COIL 22UH | 1 | |
| L47405 | G0C220JA0019 | COIL 22UH | 1 | |
| | | | | |
| LB43701 | J0JHC0000032 | COIL | 1 | |
| | | | | |
| PS43001-03 | VJS3186B018 | CONNECTOR(FEMALE)18P | 3 | K1KB18B00016 |
| | | | | |
| Q43701,02 | 2SB1218A | TRANSISTOR | 2 | |
| Q44501,02 | 2SD132800L | TRANSISTOR | 2 | |
| | | | | |
| QR43702,03 | UN5212TX | TRANSISTOR | 2 | UNR521200L |
| QR44501 | UN5213TX | TRANSISTOR | 1 | UNR521300L |
| QR47403 | UN5213TX | TRANSISTOR | 1 | UNR521300L |
| | | | | |
| R43701 | ERJ3RBD182V | 1/16W 1.8K | 1 | |
| R43702 | ERJ3RED680 | 1/16W 68 | 1 | ERJ3RED680V |
| R43703 | ERJ3RBD182V | 1/16W 1.8K | 1 | |
| R43704 | ERJ3RED680 | 1/16W 68 | 1 | ERJ3RED680V |
| R43705,06 | ERJ3GEYJ102V | 1/10W 1K | 2 | |
| R44001 | ERJ3GEY0R00V | 1/10W 0 | 1 | EG |
| R44001 | ERJ3GEYJ335V | 1/10W 3.3M | 1 | EB |
| R44003-06 | ERJ3GEYJ823V | 1/10W 82K | 4 | D0GB823JA002 |
| R44011,12 | ERJ3GEYJ102V | 1/10W 1K | 2 | |
| R44013,14 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| R44015,16 | ERJ3GEYJ473V | 1/10W 47K | 2 | D0GB473JA002 |
| R44017,18 | ERJ3GEY0R00V | 1/10W 0 | 2 | |
| R44024,25 | ERJ3GEYJ101 | 1/10W 100 | 2 | D0GB101JA002 |
| R44027 | JAR0816P123D | 1/16W 12K | 1 | D0HB123ZA002 EB |
| R44029 | JAR0816P123D | 1/16W 12K | 1 | D0HB123ZA002 EB |
| R44031,32 | ERJ3GEYJ102V | 1/10W 1K | 2 | |
| R44054,55 | JAR0816P682D | 1/16W 6.8K | 2 | D0HB682ZA002 |
| R44057,58 | JAR0816P682D | 1/16W 6.8K | 2 | D0HB682ZA002 |
| R44059,60 | ERJ3GEYJ473V | 1/10W 47K | 2 | D0GB473JA002 |
| R44074,75 | JAR0816P123D | 1/16W 12K | 2 | D0HB123ZA002 EB |
| R44080,81 | ERJ3GEYJ681V | 1/10W 680 | 2 | D0GB681JA002 |
| R44501,02 | ERJ3GEYJ272V | 1/10W 2.7K | 2 | |
| R44503,04 | ERJ3GEYJ104 | 1/10W 100K | 2 | |
| R44505 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R44506 | ERJ3GEYJ103V | 1/10W 10K | 1 | D0GB103JA002 |
| R44509,10 | ERJ3GEYJ104 | 1/10W 100K | 2 | |

| Ref. No. | Part No. | Part Name & Description | Pcs | Remarks |
|---|---|---|---|---|
| R44511 | ERJ3GEYJ102V | 1/10W 1K | 1 | |
| R47423 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R47424,25 | ERJ3GEYJ104 | 1/10W 100K | 2 | |
| R47426 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| R47427,28 | ERJ3GEYJ102V | 1/10W 1K | 2 | |
| R47429 | ERJ3GEYJ473V | 1/10W 47K | 1 | D0GB473JA002 |
| R47430,31 | ERJ3GEYJ104 | 1/10W 100K | 2 | |
| | | | | |
| W501 | ERJ3GEY0R00V | 1/10W 0 | 1 | |
| | | | | |

# 25. Schematic DIagram for printing with A4 size

## IC Pin Terminal Chart ( TC 1 - TC 8 )

| TC | IC3404 / AVENC | | SIGNAL NAME | IC3402 / SDRAM | |
|---|---|---|---|---|---|
| | Port Name | Pin No | | Pin No | Port Name |
| 1 | ARDQ0 | 334 | MADQB0 | 2 | DQ0 |
| | ARDQ1 | 335 | MADQB1 | 3 | DQ1 |
| | ARDQ2 | 336 | MADQB2 | 5 | DQ2 |
| | ARDQ3 | 2 | MADQB3 | 6 | DQ3 |
| | ARDQ4 | 4 | MADQB4 | 8 | DQ4 |
| | ARDQ5 | 5 | MADQB5 | 9 | DQ5 |
| | ARDQ6 | 7 | MADQB6 | 11 | DQ6 |
| | ARDQ7 | 9 | MADQB7 | 12 | DQ7 |
| | ARDQ8 | 16 | MADQB8 | 39 | DQ8 |
| | ARDQ9 | 17 | MADQB9 | 40 | DQ9 |
| | ARDQ10 | 19 | MADQB10 | 42 | DQ10 |
| | ARDQ11 | 20 | MADQB11 | 43 | DQ11 |
| | ARDQ12 | 22 | MADQB12 | 45 | DQ12 |
| | ARDQ13 | 23 | MADQB13 | 46 | DQ13 |
| | ARDQ14 | 25 | MADQB14 | 48 | DQ14 |
| | ARDQ15 | 26 | MADQB15 | 49 | DQ15 |
| | ARA0 | 28 | MAB0 | 21 | A0 |
| | ARA1 | 29 | MAB1 | 22 | A1 |
| | ARA2 | 31 | MAB2 | 23 | A2 |
| | ARA3 | 32 | MAB3 | 24 | A3 |
| | ARA4 | 34 | MAB4 | 27 | A4 |
| | ARA5 | 35 | MAB5 | 28 | A5 |
| | ARA6 | 37 | MAB6 | 29 | A6 |
| | ARA7 | 38 | MAB7 | 30 | A7 |
| | ARA8 | 41 | MAB8 | 31 | A8 |
| | ARA9 | 42 | MAB9 | 32 | A9 |
| | ARA10 | 44 | MAB10 | 20 | A10 |
| | ARA11 | 45 | BAOS D | 19 | A11 |

| TC | IC3404 / AV ENC | | SIGNAL NAME | IC3408 / SDRAM | |
|---|---|---|---|---|---|
| | Port Name | Pin No | | Pin No | Port Name |
| 2 | MDQ0 | 88 | MDQA0 | 2 | DQ0 |
| | MDQ1 | 89 | MDQA1 | 4 | DQ1 |
| | MDQ2 | 91 | MDQA2 | 5 | DQ2 |
| | MDQ3 | 92 | MDQA3 | 7 | DQ3 |
| | MDQ4 | 93 | MDQA4 | 8 | DQ4 |
| | MDQ5 | 95 | MDQA5 | 10 | DQ5 |
| | MDQ6 | 96 | MDQA6 | 11 | DQ6 |
| | MDQ7 | 97 | MDQA7 | 13 | DQ7 |
| | MDQ8 | 99 | MDQA8 | 74 | DQ8 |
| | MDQ9 | 100 | MDQA9 | 76 | DQ9 |
| | MDQ10 | 101 | MDQA10 | 77 | DQ10 |
| | MDQ11 | 103 | MDQA11 | 79 | DQ11 |
| | MDQ12 | 104 | MDQA12 | 80 | DQ12 |
| | MDQ13 | 105 | MDQA13 | 82 | DQ13 |
| | MDQ14 | 108 | MDQA14 | 83 | DQ14 |
| | MDQ15 | 109 | MDQA15 | 85 | DQ15 |
| | MDQ16 | 115 | MDQA16 | 31 | DQ16 |
| | MDQ17 | 116 | MDQA17 | 33 | DQ17 |
| | MDQ18 | 118 | MDQA18 | 34 | DQ18 |
| | MDQ19 | 119 | MDQA19 | 36 | DQ19 |
| | MDQ20 | 120 | MDQA20 | 37 | DQ20 |
| | MDQ21 | 122 | MDQA21 | 39 | DQ21 |
| | MDQ22 | 123 | MDQA22 | 40 | DQ22 |
| | MDQ23 | 124 | MDQA23 | 42 | DQ23 |
| | MDQ24 | 127 | MDQA24 | 45 | DQ24 |
| | MDQ25 | 128 | MDQA25 | 47 | DQ25 |
| | MDQ26 | 129 | MDQA26 | 48 | DQ26 |
| | MDQ27 | 131 | MDQA27 | 50 | DQ27 |
| | MDQ28 | 132 | MDQA28 | 51 | DQ28 |
| | MDQ29 | 133 | MDQA29 | 53 | DQ29 |
| | MDQ30 | 135 | MDQA30 | 54 | DQ30 |
| | MDQ31 | 136 | MDQA31 | 56 | DQ31 |
| | MA0 | 147 | MAA0 | 25 | A0 |
| | MA1 | 148 | MAA1 | 26 | A1 |
| | MA2 | 149 | MAA2 | 27 | A2 |
| | MA3 | 152 | MAA3 | 60 | A3 |
| | MA4 | 153 | MAA4 | 61 | A4 |
| | MA5 | 154 | MAA5 | 62 | A5 |
| | MA6 | 156 | MAA6 | 63 | A6 |
| | MA7 | 157 | MAA7 | 64 | A7 |
| | MA8 | 158 | MAA8 | 65 | A8 |
| | MA9 | 160 | MAA9 | 66 | A9 |
| | MA10 | 161 | MAA10 | 24 | A10 |

| TC | IC3501 / RTSC | | SIGNAL NAME | FP3501 (TO DVD RAM&HDD | |
|---|---|---|---|---|---|
| | Port Name | Pin No | | Pin No | Port Name |
| 3 | IHDD0 | 251 | RAMD0 | 24 | DD0 |
| | IHDD1 | 250 | RAMD1 | 26 | DD1 |
| | IHDD2 | 249 | RAMD2 | 28 | DD2 |
| | IHDD3 | 248 | RAMD3 | 30 | DD3 |
| | IHDD4 | 246 | RAMD4 | 32 | DD4 |
| | IHDD5 | 245 | RAMD5 | 34 | DD5 |
| | IHDD6 | 244 | RAMD6 | 36 | DD6 |
| | IHDD7 | 243 | RAMD7 | 38 | DD7 |
| | IHDD8 | 239 | RAMD8 | 37 | DD8 |
| | IHDD9 | 238 | RAMD9 | 35 | DD9 |
| | IHDD10 | 237 | RAMD10 | 33 | DD10 |
| | IHDD11 | 236 | RAMD11 | 31 | DD11 |
| | IHDD12 | 235 | RAMD12 | 29 | DD12 |
| | IHDD13 | 233 | RAMD13 | 27 | DD13 |
| | IHDD14 | 232 | RAMD14 | 25 | DD14 |
| | IHDD15 | 231 | RAMD15 | 23 | DD15 |

| TC | IC3404 / AVENC | | SIGNAL NAME | IC6001 / AV DEC&MAIN CPU | |
|---|---|---|---|---|---|
| | Port Name | Pin No | | Pin No | Port Name |
| 4 | R656OUT0 | 296 | R656ENC0 | 278 | VDIN0 |
| | R656OUT1 | 297 | R656ENC1 | 277 | VDIN1 |
| | R656OUT2 | 298 | R656ENC2 | 272 | VDIN2 |
| | R656OUT3 | 299 | R656ENC3 | 271 | VDIN3 |
| | R656OUT4 | 301 | R656ENC4 | 270 | VDIN4 |
| | R656OUT5 | 302 | R656ENC5 | 269 | VDIN5 |
| | R656OUT6 | 303 | R656ENC6 | 268 | VDIN6 |
| | R656OUT7 | 304 | R656ENC7 | 266 | VDIN7 |

| TC | IC6001/AV DEC&MAIN CPU | | SIGNAL NAME | IC3404 / AVENC | |
|---|---|---|---|---|---|
| | Port Name | Pin No | | Pin No | Port Name |
| 5 | VDOUT0 | 289 | R656DEC0 | 283 | R656IN0 |
| | VDOUT1 | 288 | R656DEC1 | 284 | R656IN1 |
| | VDOUT2 | 286 | R656DEC2 | 285 | R656IN2 |
| | VDOUT3 | 285 | R656DEC3 | 286 | R656IN3 |
| | VDOUT4 | 284 | R656DEC4 | 288 | R656IN4 |
| | VDOUT5 | 283 | R656DEC5 | 289 | R656IN5 |
| | VDOUT6 | 282 | R656DEC6 | 290 | R656IN6 |
| | VDOUT7 | 281 | R656DEC7 | 291 | R656IN7 |

| TC | IC3501 / RTSC | | SIGNAL NAME | IC6001/AV DEC&MAIN CPU | |
|---|---|---|---|---|---|
| | Port Name | Pin No | | Pin No | Port Name |
| 6 | B3DATA0 | 46 | STD0 | 251 | STD0 |
| | B3DATA1 | 47 | STD1 | 250 | STD1 |
| | B3DATA2 | 48 | STD2 | 249 | STD2 |
| | B3DATA3 | 49 | STD3 | 248 | STD3 |
| | B3DATA4 | 53 | STD4 | 247 | STD4 |
| | B3DATA5 | 54 | STD5 | 245 | STD5 |
| | B3DATA6 | 55 | STD6 | 244 | STD6 |
| | B3DATA7 | 56 | STD7 | 243 | STD7 |

| TC | IC3404 / AVENC | | SIGNAL NAME | IC3501 / RTSC | |
|---|---|---|---|---|---|
| | Port Name | Pin No | | Pin No | Port Name |
| 7 | CD0 | 229 | ED0 | 27 | B2DATA0 |
| | CD1 | 230 | ED1 | 28 | B2DATA1 |
| | CD2 | 231 | ED2 | 30 | B2DATA2 |
| | CD3 | 233 | ED3 | 31 | B2DATA3 |
| | CD4 | 234 | ED4 | 33 | B2DATA4 |
| | CD5 | 235 | ED5 | 34 | B2DATA5 |
| | CD6 | 238 | ED6 | 36 | B2DATA6 |
| | CD7 | 239 | ED7 | 37 | B2DATA7 |

| TC | IC6701 / GLUE | | SIGNAL NAME | IC6703 / DATA STRAGE | |
|---|---|---|---|---|---|
| | Port Name | Pin No | | Pin No | Port Name |
| 8 | ECCD0 | 67 | DE0 | 29 | D0 |
| | ECCD1 | 70 | DE1 | 30 | D1 |
| | ECCD2 | 69 | DE2 | 31 | D2 |
| | ECCD3 | 68 | DE3 | 32 | D3 |
| | ECCD4 | 71 | DE4 | 41 | D4 |
| | ECCD5 | 74 | DE5 | 42 | D5 |
| | ECCD6 | 73 | DE6 | 43 | D6 |
| | ECCD7 | 72 | DE7 | 44 | D7 |

## IC Pin Terminal Chart ( TC9 - TC12 )

| TC | IC6001 / AV DEC&MAIN CPU | | SIGNAL NAME | IC50001 / SDRAM | |
|---|---|---|---|---|---|
| | Port Name | Pin No | | Pin No | Port Name |
| 9 | MDQM0 | 343 | DQ0 | 2 | DQ0 |
| | MDQM1 | 346 | DQ1 | 4 | DQ1 |
| | MDQM2 | 348 | DQ2 | 5 | DQ2 |
| | MDQM3 | 350 | DQ3 | 7 | DQ3 |
| | MDQM4 | 353 | DQ4 | 8 | DQ4 |
| | MDQM5 | 355 | DQ5 | 10 | DQ5 |
| | MDQM6 | 358 | DQ6 | 11 | DQ6 |
| | MDQM7 | 360 | DQ7 | 13 | DQ7 |
| | MDQM8 | 359 | DQ8 | 42 | DQ8 |
| | MDQM9 | 356 | DQ9 | 44 | DQ9 |
| | MDQM10 | 354 | DQ10 | 45 | DQ10 |
| | MDQM11 | 352 | DQ11 | 47 | DQ11 |
| | MDQM12 | 349 | DQ12 | 48 | DQ12 |
| | MDQM13 | 347 | DQ13 | 50 | DQ13 |
| | MDQM14 | 344 | DQ14 | 51 | DQ14 |
| | MDQM15 | 342 | DQ15 | 53 | DQ15 |
| | MAM0 | 317 | A0 | 23 | A0 |
| | MAM1 | 320 | A1 | 24 | A1 |
| | MAM2 | 322 | A2 | 25 | A2 |
| | MAM3 | 328 | A3 | 26 | A3 |
| | MAM4 | 330 | A4 | 29 | A4 |
| | MAM5 | 332 | A5 | 30 | A5 |
| | MAM6 | 331 | A6 | 31 | A6 |
| | MAM7 | 329 | A7 | 32 | A7 |
| | MAM8 | 323 | A8 | 33 | A8 |
| | MAM9 | 321 | A9 | 34 | A9 |
| | MAM10 | 318 | A10 | 22 | A10 |
| | MAM11 | 316 | A11 | 35 | A11 |

| TC | IC6001 / AV DEC&MAIN CPU | | SIGNAL NAME | IC50002 / SDRAM | |
|---|---|---|---|---|---|
| | Port Name | Pin No | | Pin No | Port Name |
| 10 | MDQM16 | 292 | DQ16 | 2 | DQ0 |
| | MDQM17 | 295 | DQ17 | 4 | DQ1 |
| | MDQM18 | 297 | DQ18 | 5 | DQ2 |
| | MDQM19 | 299 | DQ19 | 7 | DQ3 |
| | MDQM20 | 302 | DQ20 | 8 | DQ4 |
| | MDQM21 | 304 | DQ21 | 10 | DQ5 |
| | MDQM22 | 308 | DQ22 | 11 | DQ6 |
| | MDQM23 | 310 | DQ23 | 13 | DQ7 |
| | MDQM24 | 309 | DQ24 | 42 | DQ8 |
| | MDQM25 | 305 | DQ25 | 44 | DQ9 |
| | MDQM26 | 303 | DQ26 | 45 | DQ10 |
| | MDQM27 | 301 | DQ27 | 47 | DQ11 |
| | MDQM28 | 298 | DQ28 | 48 | DQ12 |
| | MDQM29 | 296 | DQ29 | 50 | DQ13 |
| | MDQM30 | 293 | DQ30 | 51 | DQ14 |
| | MDQM31 | 291 | DQ31 | 53 | DQ15 |
| | MAM0 | 317 | A0 | 23 | A0 |
| | MAM1 | 320 | A1 | 24 | A1 |
| | MAM2 | 322 | A2 | 25 | A2 |
| | MAM3 | 328 | A3 | 26 | A3 |
| | MAM4 | 330 | A4 | 29 | A4 |
| | MAM5 | 332 | A5 | 30 | A5 |
| | MAM6 | 331 | A6 | 31 | A6 |
| | MAM7 | 329 | A7 | 32 | A7 |
| | MAM8 | 323 | A8 | 33 | A8 |
| | MAM9 | 321 | A9 | 34 | A9 |
| | MAM10 | 318 | A10 | 22 | A10 |
| | MAM11 | 316 | A11 | 35 | A11 |

| TC | IC6001 / AV DEC&MAIN CPU | | SIGNAL NAME | IC6005,IC6006 / W-MEMORY | |
|---|---|---|---|---|---|
| | Port Name | Pin No | | Pin No | Port Name |
| 11 | MD0 | 118 | MD0 | 2 | DQ0 |
| | MD1 | 121 | MD1 | 4 | DQ1 |
| | MD2 | 123 | MD2 | 5 | DQ2 |
| | MD3 | 125 | MD3 | 7 | DQ3 |
| | MD4 | 128 | MD4 | 8 | DQ4 |
| | MD5 | 130 | MD5 | 10 | DQ5 |
| | MD6 | 133 | MD6 | 11 | DQ6 |
| | MD7 | 135 | MD7 | 13 | DQ7 |
| | MD8 | 134 | MD8 | 42 | DQ8 |
| | MD9 | 131 | MD9 | 44 | DQ9 |
| | MD10 | 129 | MD10 | 45 | DQ10 |
| | MD11 | 127 | MD11 | 47 | DQ11 |
| | MD12 | 124 | MD12 | 48 | DQ12 |
| | MD13 | 122 | MD13 | 50 | DQ13 |
| | MD14 | 119 | MD14 | 51 | DQ14 |
| | MD15 | 117 | MD15 | 53 | DQ15 |
| | MA0 | 160 | MA0 | 23 | A0 |
| | MA1 | 163 | MA1 | 24 | A1 |
| | MA2 | 165 | MA2 | 25 | A2 |
| | MA3 | 167 | MA3 | 26 | A3 |
| | MA4 | 166 | MA4 | 29 | A4 |
| | MA5 | 164 | MA5 | 30 | A5 |
| | MA6 | 161 | MA6 | 31 | A6 |
| | MA7 | 159 | MA7 | 32 | A7 |
| | MA8 | 156 | MA8 | 33 | A8 |
| | MA9 | 153 | MA9 | 34 | A9 |
| | MA10 | 157 | MA10 | 22 | A10 |
| | MA11 | 151 | MA11 | 35 | A11 |
| | MA12 | 147 | MA12 | 36 | NC |
| | MA13 | 154 | MA13 | 21 | A12 |
| | MA14 | 152 | MA14 | 20 | A13 |

| TC | IC3501 / RTSC | | SIGNAL NAME | IC3502/ SDRAM | |
|---|---|---|---|---|---|
| | Port Name | Pin No | | Pin No | Port Name |
| 12 | MDQ0 | 281 | TR MADQB0 | 2 | DQ0 |
| | MDQ1 | 280 | TR MADQB1 | 4 | DQ1 |
| | MDQ2 | 278 | TR MADQB2 | 5 | DQ2 |
| | MDQ3 | 277 | TR MADQB3 | 7 | DQ3 |
| | MDQ4 | 276 | TR MADQB4 | 8 | DQ4 |
| | MDQ5 | 274 | TR MADQB5 | 10 | DQ5 |
| | MDQ6 | 273 | TR MADQB6 | 11 | DQ6 |
| | MDQ7 | 272 | TR MADQB7 | 13 | DQ7 |
| | MDQ8 | 270 | TR MADQB8 | 42 | DQ8 |
| | MDQ9 | 269 | TR MADQB9 | 44 | DQ9 |
| | MDQ10 | 268 | TR MADQB10 | 45 | DQ10 |
| | MDQ11 | 266 | TR MADQB11 | 47 | DQ11 |
| | MDQ12 | 265 | TR MADQB12 | 48 | DQ12 |
| | MDQ13 | 264 | TR MADQB13 | 50 | DQ13 |
| | MDQ14 | 263 | TR MADQB14 | 51 | DQ14 |
| | MDQ15 | 262 | TR MADQB15 | 53 | DQ15 |
| | MADR0 | 10 | TR MAB0 | 23 | A0 |
| | MADR1 | 9 | TR MAB1 | 24 | A1 |
| | MADR2 | 8 | TR MAB2 | 25 | A2 |
| | MADR3 | 6 | TR MAB3 | 26 | A3 |
| | MADR4 | 5 | TR MAB4 | 29 | A4 |
| | MADR5 | 4 | TR MAB5 | 30 | A5 |
| | MADR6 | 3 | TR MAB6 | 31 | A6 |
| | MADR7 | 2 | TR MAB7 | 32 | A7 |
| | MADR8 | 302 | TR MAB8 | 33 | A8 |
| | MADR9 | 300 | TR MAB9 | 34 | A9 |
| | MADR10 | 299 | TR MAB10 | 22 | A10 |
| | MADR11 | 297 | TR MAB11 | 35 | A11 |
| | MADR12 | 293 | TR MAB12 | 36 | NC |

SA0 - SA25 ADDRESS BUS LINE (TC13, TC14-1, TC15-1, TC17, TC18-1, TC20)

| TC | 13 | | 14-1 | | 15-1 | | 17 | | 18-1 | | 20 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIGNAL NAME | IC3404 / AVENC | | IC6701 / GLUE | | IC6001 / AVDEC&MAIN CPU | | IC6004 / BUFFER | | IC6003 / LOADER | | IC3501 / RTSC | |
| | Pin No | Port Name | Pin No | Port Name | Pin No | Port Name | Pin No | Port Name | Pin No | Port Name | Pin No | Port Name |
| SA0 | - | - | - | - | 28 | SA0 | - | - | - | - | - | - |
| SA1 | - | - | - | - | 27 | SA1 | 2 | 1A1 | 25 | A0 | - | - |
| SA2 | - | - | - | - | 26 | SA2 | 4 | 1A2 | 24 | A1 | - | - |
| SA3 | - | - | - | - | 25 | SA3 | 6 | 1A3 | 23 | A2 | - | - |
| SA4 | - | - | - | - | 24 | SA4 | 8 | 1A4 | 22 | A3 | - | - |
| SA5 | 186 | HA4 | 163 | ADRL5 | 22 | SA5 | - | - | 21 | A4 | 75 | HADR5 |
| SA6 | 187 | HA5 | 170 | ADRL6 | 20 | SA6 | - | - | 20 | A5 | 76 | HADR6 |
| SA7 | 188 | HA6 | 168 | ADRL7 | 19 | SA7 | - | - | 19 | A6 | 77 | HADR7 |
| SA8 | 189 | HA7 | - | - | 18 | SA8 | - | - | 18 | A7 | 78 | HADR8 |
| SA9 | 191 | HA8 | - | - | 17 | SA9 | - | - | 8 | A8 | 79 | HADR9 |
| SA10 | 192 | HA9 | - | - | 16 | SA10 | - | - | 7 | A9 | 80 | HADR10 |
| SA11 | 194 | HA10 | - | - | 15 | SA11 | - | - | 6 | A10 | 81 | HADR11 |
| SA12 | 195 | HA11 | - | - | 14 | SA12 | - | - | 5 | A11 | 82 | HADR12 |
| SA13 | - | - | - | - | 12 | SA13 | - | - | 4 | A12 | 85 | HADR13 |
| SA14 | - | - | - | - | 11 | SA14 | - | - | 3 | A13 | 86 | HADR14 |
| SA15 | - | - | - | - | 10 | SA15 | - | - | 2 | A14 | 87 | HADR15 |
| SA16 | - | - | - | - | 9 | SA16 | - | - | 1 | A15 | 89 | HADR16 |
| SA17 | - | - | - | - | 8 | SA17 | - | - | 48 | A16 | 90 | HADR17 |
| SA18 | - | - | - | - | 7 | SA18 | - | - | 17 | A17 | 92 | HADR18 |
| SA19 | - | - | - | - | 6 | SA19 | - | - | 16 | A18 | 93 | HADR19 |
| SA20 | - | - | - | - | 3 | SA20 | - | - | - | - | 94 | HADR20 |
| SA21 | - | - | - | - | 2 | SA21 | - | - | - | - | 95 | HADR21 |
| SA22 | - | - | 174 | ADR22 | 1 | SA22 | - | - | - | - | - | - |
| SA23 | - | - | 171 | ADRH0 | 363 | SA23 | - | - | - | - | - | - |
| SA24 | - | - | 172 | ADRH1 | 362 | SA24 | - | - | - | - | - | - |
| SA25 | - | - | 173 | ADRH2 | 361 | SA25 | - | - | - | - | - | - |

SD16 - SD31 DATA BUS LINE (TC14-2, TC15-2, TC18-2 )

| TC | 14-2 | | 15-2 | | 18-2 | |
|---|---|---|---|---|---|---|
| SIGNAL NAME | IC6701 / GLUE | | IC6001 / AVDEC&MAIN CPU | | IC6003 / LOADER | |
| | Pin No | Port Name | Pin No | Port Name | Pin No | Port Name |
| SD16 | 201 | LDTI0 | 67 | SD16 | 29 | I/O0 |
| SD17 | 200 | LDTI1 | 66 | SD17 | 31 | I/O1 |
| SD18 | 199 | LDTI2 | 65 | SD18 | 33 | I/O2 |
| SD19 | 202 | LDTI3 | 64 | SD19 | 35 | I/O3 |
| SD20 | 197 | LDTI4 | 63 | SD20 | 38 | I/O4 |
| SD21 | 196 | LDTI5 | 62 | SD21 | 40 | I/O5 |
| SD22 | 198 | LDTI6 | 61 | SD22 | 42 | I/O6 |
| SD23 | 195 | LDTI7 | 59 | SD23 | 44 | I/O7 |
| SD24 | 194 | LDTI8 | 58 | SD24 | 30 | I/O8 |
| SD25 | 192 | LDTI9 | 57 | SD25 | 32 | I/O9 |
| SD26 | 191 | LDTI10 | 56 | SD26 | 34 | I/O10 |
| SD27 | 189 | LDTI11 | 55 | SD27 | 36 | I/O11 |
| SD28 | 190 | LDTI12 | 54 | SD28 | 39 | I/O12 |
| SD29 | 188 | LDTI13 | 53 | SD29 | 41 | I/O13 |
| SD30 | 187 | LDTI14 | 51 | SD30 | 43 | I/O14 |
| SD31 | 185 | LDTI15 | 50 | SD31 | 45 | I/O15 |

MSD16 - MSD31 DATA BUS LINE (TC19-1, TC21-1,TC22-1 )

| TC | 19-1 | | 21-1 | | 22-1 | |
|---|---|---|---|---|---|---|
| SIGNAL NAME | IC3404 / AVENC&RTSC | | IC3501 / RTSC | | IC6701 / GLUE | |
| | Pin No | Port Name | Pin No | Port Name | Pin No | Port Name |
| MSD16 | 203 | HD0 | 118 | HDAT0 | 12 | LDEV0 |
| MSD17 | 204 | HD1 | 117 | HDAT1 | 13 | LDEV1 |
| MSD18 | 206 | HD2 | 115 | HDAT2 | 11 | LDEV2 |
| MSD19 | 207 | HD3 | 114 | HDAT3 | 10 | LDEV3 |
| MSD20 | 209 | HD4 | 113 | HDAT4 | 7 | LDEV4 |
| MSD21 | 210 | HD5 | 111 | HDAT5 | 8 | LDEV5 |
| MSD22 | 212 | HD6 | 110 | HDAT6 | 9 | LDEV6 |
| MSD23 | 213 | HD7 | 109 | HDAT7 | 14 | LDEV7 |
| MSD24 | 215 | HD8 | 107 | HDAT8 | 2 | LDEV8 |
| MSD25 | 216 | HD9 | 106 | HDAT9 | 4 | LDEV9 |
| MSD26 | 217 | HD10 | 104 | HDAT10 | 3 | LDEV10 |
| MSD27 | 218 | HD11 | 102 | HDAT11 | 208 | LDEV11 |
| MSD28 | 220 | HD12 | 101 | HDAT12 | 207 | LDEV12 |
| MSD29 | 221 | HD13 | 100 | HDAT13 | 6 | LDEV13 |
| MSD30 | 223 | HD14 | 98 | HDAT14 | 205 | LDEV14 |
| MSD31 | 224 | HD15 | 97 | HDAT15 | 203 | LDEV15 |

MSA1 - MSA4 ADDRESS BUS LINE (TC16, TC19-2, TC21-2, TC22-2 )

| TC | 16 | | 19-2 | | 21-2 | | 22-2 | |
|---|---|---|---|---|---|---|---|---|
| SIGNAL NAME | IC6004/BUFFER | | IC3404/AVENC | | IC3501/RTSC | | IC6701/GLUE | |
| | Pin No | Port Name | Pin No | Port Name | Pin No | Port Name | Pin No | Port Name |
| MSA1 | 18 | 1Y1 | 181 | HA0 | 68 | HADR1 | 167 | ADRL1 |
| MSA2 | 16 | 1Y2 | 182 | HA1 | 69 | HADR2 | 164 | ADRL2 |
| MSA3 | 14 | 1Y3 | 183 | HA2 | 70 | HADR3 | 165 | ADRL3 |
| MSA4 | 12 | 1Y4 | 184 | HA3 | 71 | HADR4 | 166 | ADRL4 |

S:Syscon/Servo/Timer Section(Page: C )
A:Hi-Fi Audio Section(Page: D )
V:Video Section(Page: E )

BOOSTER+5V
PS+5V
BTL+30V
X SW+5.8V
UNREG 38V
UNREG.+38V
IIC DATA
IIC CLK
AUDIO HEAD SW
D REC
ABS NORM
AUDIO HEAD L
AUDIO HEAD R
AUDIO HEAD COM
AV2 IN R
AV2 IN L
AV1 IN R
AV1 IN L
CONV VIDEO
X SW 5.8V
VTR P ON
JC P ON
A5V
REG12V
A+5V
REG.+12V
X SW+13V
REG.A+5V
REG.+12V
PY OUT
PB OUT
PR OUT
YOUT DM
GPYOUT DM
PBOUT DM
PROUT DM
AADC R
AADC L
ANA5V
X SW13V
TO PS43001 I/O P.C.B. P4501
X SW 13V
REG5V
AADC IN L
AADC IN R
PROUT DM
PBOUT DM
GPYOUT DM
V GND
YOUT DM
V GND
PR OUT
PB OUT
PY OUT
RGB
AUDIO MUTE2
MIX L OUT DM
MIX R OUT DM
MIX R OUT DM
MIX L OUT DM
AUDIO MUTE2
RGB
REC A MUTE
FM MUTE
I2CSDT
I2CSCK
DVD OUT
LINE OUT R
LINE OUT L
AU5V
TO PS43002 I/O P.C.B. P4502
I2CSCK
I2CSDT
AU 5V
RF AUDIO OUT
LINE OUT L
LINE OUT R
GND
MIX R OUT
MIX L OUT
VTR P ON
DVD OUT
DVD OUT L
DVD OUT R
PS12V
VHS/DVD TUN.VIDEO
DECODER L
DECODER R
JC P ON
DECODER R
DECODER L
VHS/DVD TUN.VIDEO
PS12V
DVD OUT R
DVD OUT L
AFC S-CURVE(DVD)
NORMAL AUDIO OUT
NORMAL AUDIO IN
TU AUDIO IN
AFC S-CURVE
DVD TUNER OUT
FSC
AUDIO AV3 IN L
AUDIO AV3 IN R
VHS TUN
VIDEO TUNER OUT
TO PS43003 I/O P.C.B. P4503
VHS R OUT
VHS L OUT
V GND
VIDEO TUNER OUT
V GND
DVD TUNER OUT
VHS TUN
DVD DECODER L
DVD DECODER R
A GND
VHS DECODER L
VHS DECODER R
A GND
AUDIO AV3 IN R
AUDIO AV3 IN L
X SW 5.8V
SCART IN L
SCART IN R
SCART IN R
SCART IN L
VGND
HA GND
REF GND
A GND
AU GND

QR7401 UNR511200L (SW L:ON)
Q7401 2SD1819A0L (VTR P ON H:ON)
D7401 MAZ4300NMF
C7415 50V1
R7401 330
R7402 330
R7433 100K
R4556 10K
K7402
E75VEB
QR7402 UNR511200L (SW L:ON)
Q7402 2SD1819A0L (JC P ON H:ON)
D7402 MAZ4300NMF
C7424 50V1
R7403 330
R7404 330
R7434 100K
E75VEG
LB7402 J0JHC0000032
LB7401 J0JHC0000032
LB7403 J0JHC0000032
Q4501 B1AAGD000006 (REG.A+5V)
D4502 MAZ4056NHF
C4545 6V22
C4544 0.01
R4555 820
L4502 1.2u
Q4502 B1AAGD000006 (REG.+12V)
D4503 MAZ4130NLF
C4547 25V 4.7
C4546 0.01
E75VEB
QR4502 UNR511300L (RFC MUTE DRIVE)
QR4504 UNR521600L (RFC MUTE H:ON)
C4549 16V10
R4519 220
QR4501 UNR511300L (FM MUTE DRIVE)
QR4503 XN0121600L (FM MUTE H:ON)

R4532 680
D4501 B0AAED000003
TL4501
PB-FM ENV TW4502
A H SW TW4503
FM MIX OUT TW4501
C4519 0.015
R4521 120K
C4518 0.22
C4516 0.1
C4515 0.1
C4513 0.01
C4512 0.01
C4511 0.033
C4510 0.015
C4509 16V22
C4508 16V10
R4520 0
C4520 6V22
C4521 16V10
R4522 4700
C4522 10V33
C4523 0.047
R4523 510
R4524 1K
R4525 30K
R4526 1K
R4527 1K
C4526 16V10
C4524 6V100
R4518 4700
C4504 0.047
R4517 510
C4505 10V33
R4515 56K
R4512 4300
R4513 56K
R4511 4300
R4510 9100
R4503 22K
C4503 16V10
R4516 56K
R4509 4300
R4514 56K
R4508 4300
R4507 9100
R4504 22K
C4502 16V10
C4501 16V10
R4506 4300
R4501 56K
R4505 4300
R4502 56K
C4529 16V10
R4528 1K
C4531 16V47
C4530 16V10
C4533 0.01
R4531 1K
C4534 0.1
R4560 6800
R4559 39K
R4557 7000
R4558 68K
R4530 4700
R4554 68K

PNR RCH
PNR LCH
PREAMP & SWITCH
HOLD TIMING
ENV DET OUT
REC DC2
VCC (5V)
GND
HF/NOR
SW NOISE
AGC
LCH AGC & SWITCH
INPUT SELECT SWITCH LCH
INPUT SELECT SWITCH RCH
MUTE CONTROL
REC AGC ADJ.
GND(R)
VCC(5V)
VCOFO
RCH AGC & SWITCH
FM MODULATOR/ DEMODULATOR RCH
FM MODULATOR/ DEMODULATOR LCH
LPF
RCH BPF
LCH BPF
IIC BUS INTERFACE
OUTPUT SELECT SWITCH RCH
OUTPUT SELECT SWITCH LCH
NORMAL OUTPUT SWITCH
GND (L)
VCC(5V)
GND
VCC(12V)
IC4501 AN3656NFBPBV (AUDIO PROCESSOR)

VIDEO MAIN SIGNAL PATH IN REC MODE D
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
DVD VIDEO SIGNAL
DVD AUDIO SIGNAL

BOOSTER+5V
PS+5V
BTL+30V
X SW+5.8V

IC7401
C0CBCDD00006
(REG.+5V)
BIAS
DRIVER
TERMINAL SHUTDOWN
CURRENT LIMITTER
REFERENCE
GND

IC7402
C0CBCDD00006
(REG.+5V)

IC7405
C0CBCDD00006
(REG.+5V)

TU7401
ENV57G05G3F:E75VEG
ENV87G01G3F:E75VEB
VHS TUNER
1 BOOSTER+5V
2 AUDIO IN
3 NC
4 NC
5 NC
6 NC
7 NC
8 NC
9 NC
10 NC
11 SCL
12 SDA
13 NC
14 REG+5V
15 NC
16 BTL+30V
17 IF OUT
18 IF IN
19 NC
20 NC
21 TUNER AUDIO
22 SIF OUT
23 AFC S-CURVE
24 TUNER VIDEO
25 REG+5V
26 NC
27 GND
DU7401 VIF
TV TUNER

TU7403
ENC879T2F
RF CONVERTER
1 NC
2 NC
3 ANT+B(5V)
4 MB(5V)
5 AUDIO IN
6 BTL+30V
7 VIDEO IN
8 CLK
9 DATA

TU7402
ENV57G05G3F:E75VEG
ENV87G01G3F:E75VEB
DVD TUNER
1 BOOSTER+5V
2 AUDIO IN
3 NC
4 NC
5 NC
6 NC
7 NC
8 NC
9 NC
10 NC
11 SCL
12 SDA
13 NC
14 REG+5V
15 NC
16 BTL+30V
17 IF OUT
18 IF IN
19 NC
20 NC
21 TUNER AUDIO
22 SIF OUT
23 AFC S-CURVE
24 TUNER VIDEO
25 REG+5V
26 NC
27 GND
DU7402 VIF
TV TUNER

TO NICAM DECODER(B)P.C.B.
TO PK7301
PK7401
1 SIF
2 GND
3 TU AUDIO IN
4
5
6
7 JC 5V
TO PK7302
PK7402
1 SCL
2 SDA
3
4 DECODER AUDIO(R)
5 GND
6 DECODER AUDIO(L)

TO NICAM DECODER(A)P.C.B.
TO PK7301
PK7403
1 SIF
2 GND
3 TU AUDIO IN
4
5
6
7 JC 5V
TO PK7302
PK7404
1 SCL
2 SDA
3
4 DECODER AUDIO(R)
5 GND
6 DECODER AUDIO(L)

Q7403
2SB1218A0L
(BUFFER)

S:Syscon/Servo/Timer Section(Page: C )
A:Hi-Fi Audio Section(Page: D )
V:Video Section(Page: E )

REG.+5V

DMR-E75VEB/EG Hi-Fi Audio Section (Main P.C.B.(2/3)) Schematic Diagram (A)

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
Hi-Fi Audio Section
(Main P.C.B.(2/3))
Schematic Diagram (A)

14 15 16 17 18 19 20 21 22 23 24 25

I/O P.C.B.

Main P.C.B.

Front Jack P.C.B.

AV3
JK4801
FRONT JACK

Lch/MONO
Rch
AUDIO

PP4801 PS33001 7 6
PP4801 PS33001 5 8

P4503 PS43003 15
P4503 PS43003 14

IC44001
(AUDIO SIGNAL PROCESSOR)

VHS IN L
VHS IN R
AV3 IN L
AV3 IN R

(Lch)
(Rch)
INPUT SELECTOR SW
BUFFER
BUFFER

L CH OUT
R CH OUT

A ADC L
A ADC R

PS43001 P4501 3
P6002 P31902 P39702 P9001 19 50
PS43001 P4501 4
P6002 P31902 P39702 P9001 18 48

TO DIGITAL P.C.B.

AV1/AV2 IN R
AV1/AV2 IN L

SCART IN(R)
SCART IN(L)

PS43003 P4503 18
PS43003 P4503 17

E75VEB

TU7403
RF CONVERTER

AUDIO IN

QR4502,4504
MUTE

RFC A MUTE (H) IC6001-58

FROM SYSTEM CONTROL SECTION

P4502 PS43002 4

RF OUT

AMP
AMP
MIX
AMP
AMP

D/A L
D/A R

IIC BUS CONTROL

IIC CLK IC37501-28
IIC DATA IC37501-29

TO/FROM POWER & DIGITAL I/F P.C.B. (DIGITAL TIMER P.C.B.)

TUNER R
TUNER L

Nicam Decoder(A) P.C.B.

TU7402
TUNER
DVD

SIFOUT
TUNER AUDIO

PK7403 PK7301 1
PK7403 PK7301 3

IC7301
(NICAM DECODER)

SIF
MONO IN
OUT R
OUT L

PK7302 PK7404 4
PK7302 PK7404 6

DVD DECODE R
DVD DECODE L
VHS DECODE R
VHS DECODE L

P4503 PS43003 9
P4503 PS43003 8
P4503 PS43003 12
P4503 PS43003 11

IC47406
(VHS/DVD TUN.SELECTOR SW.)

IC47407
(BUFFER)

DECODER(R)
DECODER(L)

DECODER R
DECODER L

PS43002 P4502 17
PS43002 P4502 16

TU7401
TUNER
VHS

Nicam Decoder(B) P.C.B.

VHS TUN (H) IC6001-62

QR47403
(VHS TUN (H) :ON)

IC44002
(BUFFER)

FROM DIGITAL P.C.B.

P9001 P39702 P31903 P6003 P4501 PS43001 62 7 17
P9001 P39702 P31903 P6003 P4501 PS43001 58 6 18

MIX L OUT DM
MIX R OUT DM

PS43002 P4502 12
PS43002 P4502 13

JK24302
REAR A/V JACK

DVD OUT
LINE OUT (L)
LINE OUT (R)

DVD OUT L
DVD OUT R

Q44501
MUTE
Q44502
MUTE

D44501

PS43001 P4501 16

D24001

Q24002
MUTE
Q24003
MUTE

IC44502
(VHS/DVD AUDIO SELECTOR SW.)

IC44501
(BUFFER)

DVD Rch
VHS Rch
VHS Lch
DVD Lch

Rch
Lch

P4502 PS43002 8
P4503 PS43003 2
P4503 PS43003 1
P4502 PS43002 9

PS43002 P4502 6
PS43002 P4502 5

QR34002
AUDIO MUTE (L) OUT

XDMUTE (H) IC4403-4

FROM DIGITAL P.C.B.

QR34001
AUDIO MUTE (L) OUT

XTMUTE (H) IC37501-20

POWER & DIGITAL I/F P.C.B.

X SW 5.8V

QR3701
(AUDIO MUTE (L) :ON)

FROM MAIN P.C.B. (SYSTEM CONTROL)

DVD OUT (H) IC6001-1

QR44501
(DVD OUT (H) :ON)

DMR-E75VEB/EG
Audio Block Diagram

DVD AUDIO SIGNAL

AUDIO MAIN SIGNAL PATH IN REC MODE

AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE

JK24302
REAR A/V OUT JACK
VHS/DVD COMMON OUT
LINE L OUT
LINE R OUT
LINE OUT (L)
LINE OUT (R)

FROM SYSTEM CONTROL
AUDIO COMMON MUTE IC6001- 73
FROM POWER & DIGITAL I/F P.C.B.
SCART MUTE H IC37501- 57

QR23901 MUTE DRIVE
QR23902 MUTE
QR23903 MUTE
Q3902, QR3903 MUTE CIRCUIT
D3901
Q3904 MUTE
Q3903 MUTE

IC4501
(AUDIO PROCESSOR)

C VHS DECODER R 8
A AV3 R 2
M AV2 R 10
N AV1 IN R 9
H DVD R 53
INPUT SELECT SWITCH RCH
NORMAL SELECT SWITCH
OUTPUT SELECT SWITCH R CH
RCH AGC & SWITCH
OUTPUT SELECT SWITCH L CH
PNR R CH
D VHS DECODER L 13
O AV1 IN L 14
B AV3 L 4
P AV2 L 15
E DVD L 64
INPUT SELECT SWITCH LCH
PNR L CH
SW NOISE
SW NOISE
LCH AGC & SWITCH
FM MODULATOR/ DEMODULATOR
FM MODULATOR/ DEMODULATOR LCH
LPF
BPF
BPF
LPF
AGC
HOLD TIMING
PREAMP & SWITCH
61
62
53
57
VCO FO 45
30
MUTE CTL 21
36
27
29
24
22
F
G

IC3001
(NORMAL AUDIO PROCESSOR)

2 R
P
VCA
fh TRAP
REC EQ. 98
PRE AMP 96
6

QR4503
RCH 1 MUTE 5
LCH 2 MUTE 3

QR4501 MUTE DRIVE

FM MIX TW4501

ENVE TW4502

A HEAD SW TW4503

IC3903
(A/V BUFFER AND SWITCH)

9 EXT.MUTE CTL.
40 R CH OUT
39 L CH OUT
BUF
LPF
AMP
(R CH)
(L CH)
SW3
SW2
SW1
I
J
H.
H.
K DECODER R 19 R CH IN
L DECODER L 18 L CH IN
IIC BUS CONTROL
21
23
31
24
30
33
43
37
42
36

AV2
JK3901
(DECODER/EXT)
AV2 AUDIO OUT(R) 1
AV2 AUDIO IN(R) 2
AV2 AUDIO OUT(L) 3
AV2 AUDIO IN(L) 6

AV1
JK3901
(TV)
AV1 AUDIO OUT(R) 1
AV1 AUDIO IN(R) 2
AV1 AUDIO OUT(L) 3
AV1 AUDIO IN(L) 6

IIC DATA IC37501- 29
IIC CLK IC37501- 28
TO/FROM POWER & DIGITAL I/F P.C.B. (DIGITAL TIMER CPU)

Q4001 MUTE
QR4004 ON
A+5V
IC6001- 20 D.REC H
P4002 4 A.HEAD(R)
P4002 3 A.HEAD(W)
TO/FROM A/C HEAD

Q3002 FSC BUFFER
FSC IC3001- 63
FROM VIDEO SECTION

FM MUTE H IC6001- 28
AUDIO HEAD SW H IC6001- 19
FROM SYSTEM CONTROL SECTION

TO/FROM SYSTEM CONTROL
IIC CLOCK IC6001- 71
IIC DATA IC6001- 72
42
43
IIC BUS CONTROL

P5001 7 L
P5001 8
P5001 9 R
Hi-Fi AUDIO HEAD

FROM DIGITAL P.C.B.
P9001 72 | P39702 | P31901 5 | P6001
IEC OUT

JK3903
DIGITAL AUDIO OUT
(PCM/BITSTREAM)
OPTICAL 7

DMR-E75VEB/EG
Audio Block Diagram

DMR-E75VEB/EG
Audio Block Diagram

| | |
|---|---|
| 443NT [L] | 4.43 NTSC Ⓛ |
| A. COMP | AUDIO COMPONENT SIGNAL |
| A. COMPO | AUDIO COMPONENT SIGNAL |
| A. D.P [L] | AUDIO DUBBING PAUSE Ⓛ |
| A. D/L [L] | AUDIO DUBBING PAUSE Ⓛ |
| A. DEF [S] | AUDIO DEFEAT |
| A. DEF [S] [L] | AUDIO DEFEAT |
| A. DUB P [L] | AUDIO DUBBING PAUSE Ⓛ |
| A. DUB [H] | AUDIO DUBBING Ⓗ |
| A. ERASE | AUDIO ERASE |
| A. H. SW | AUDIO HEAD SWITCHING PULSE |
| A. HEAD [R] | AUDIO HEAD (REC) |
| A. HEAD [W] | AUDIO HEAD (PLAY) |
| A. IN [L] | AUDIO INPUT (L) |
| A. IN [R] | AUDIO INPUT (R) |
| A. MUT [H] | AUDIO MUTE Ⓗ |
| A. MUTE [H] | AUDIO MUTE Ⓗ |
| A. OUT [L] | AUDIO OUTPUT (L) |
| A. OUT [R] | AUDIO OUTPUT (R) |
| A. RF OUT | AUDIO RF SIGNAL OUTPUT |
| A/VS/S. DATA | AV SW/SERIAL DATA |
| AC ONLINE | AC ONLINE |
| AC. O/EE. H | AC ONLINE/EE Ⓗ |
| AFC S C | AFC S CURVE |
| AFC [S] | AFC S CURVE |
| AFC. DEF | AFC DEFEAT |
| ARFC OUT | AUDIO RF SIGNAL OUTPUT |
| ART. V | ARTIFICIAL VERTICAL SYNC SIGNAL |
| ART. V. MM | ARTIFICIAL VERTICAL SYNC SIGNAL MONO MULTI |
| ART. V/H/N | ARTIFICIAL VERTICAL SYNC SIGNAL Ⓗ/NORMAL |
| AT. V/H/N | ARTIFICIAL VERTICAL SYNC SIGNAL |
| ATSW/TEST/NOR/SE | TEST/NORMAL/SERVICE |
| AUDIO IN [L] | AUDIO INPUT (L) |
| AUDIO IN [R] | AUDIO INPUT (R) |
| AUDIO OUT [L] | AUDIO OUTPUT (L) |
| AUDIO OUT [R] | AUDIO OUTPUT (R) |
| AUDIO SELECT [H] | AUDIO SELECT Ⓗ |
| AUDIO. L | AUDIO (L) |
| AUDIO. R | AUDIO (R) |
| AV CNT | AV CONTROL |
| AV CTL | AV CONTROL |
| AV CTL/S. CLK | AV CONTROL/SERIAL CLOCK |
| AV. C.M. | AV CONTROL MODE |
| AVCNT/METER. R | AV CONTROL/LEVEL METER (R) |
| AVSW/METER. L | AV SW/LEVEL METER (L) |
| B MODE. H | B MODE Ⓗ |
| B.G.P | BURST GATE PULSE |
| BACKUP 5V | BACK UP 5V |
| BAND. U.E. | BAND U |
| BANDVL. D | BAND VL |
| BI/MI [L] | BILINGUAL/MIX Ⓛ |
| BIL | BILINGUAL |
| BIL [L] | BILINGUAL Ⓛ |
| BIL. [H] | BILINGUAL Ⓗ |
| BIL/M1 [L] | BILINGUAL Ⓛ |
| BS CLOCK | BS CLOCK |
| BS DATA | BS DATA |
| BS LCH IN | BS L CHANNEL INPUT |
| BS MIX [H] | BS MIX Ⓗ |
| BS MON [H] | BS MONITOR Ⓗ |
| BS MONI [H] | BS MONITOR Ⓗ |
| BS RCH IN | BS R CHANNEL INPUT |
| BS VIDEO | BS VIDEO SIGNAL |
| BS VIDEO/BS1 | BS VIDEO SIGNAL |
| BS [H] | BS Ⓗ |
| BS. LEVEL | BS LEVEL |
| BS. M [H] | BS MONITOR Ⓗ |
| BS/VTR [H] | BS/VTR Ⓗ |
| BUS CLK | BUS CLOCK |
| BUS LSN | BUS LISTEN |
| BUS TLK | BUS TALK |
| BUZZER | BUZZER |
| CAP EC | CAPSTAN TORQUE CONTROL |
| CAP M GND | CAPSTAN MOTOR GND |
| CAP. ET | CAPSTAN TORQUE CONTROL |
| CAP. FG1 | CAPSTAN FG1 PULSE |
| CAP. FG2 | CAPSTAN FG2 PULSE |
| CAS. SW | CASSETTE SW |
| CCN | PLAYBACK CONTROL SIGNAL (–) |
| CCP | PLAYBACK CONTROL SIGNAL (+) |
| CHM | CONTROL SIGNAL (+) |
| CHP | CONTROL SIGNAL (–) |
| CINEM [L] | CINEMA Ⓛ |
| CINEMA [L] | CINEMA Ⓛ |
| CINEMA/MIX | CINEMA/MIX |
| CKL | RATCH LOCK |
| CKS | SHIFT LOCK |
| CL | CLOCK |
| CLK | CLOCK |
| CLK (C.G) | CLOCK |
| CLOCK. IN | CLOCK INPUT |
| CLP | CLAMP |
| COL/B/W/NOR | COLOUR/BLACK & WHITE/NORMAL |
| COLOR [H] | COLOUR Ⓗ |
| CONV | CONVERTOR |
| CS | CHIP SELECT |
| CTL GND | CONTROL GND |
| CTL HEAD [+] | CONTROL HEAD (+) |
| CTL HEAD [–] | CONTROL HEAD (–) |
| CTL [+] | CONTROL HEAD (+) |
| CTL [–] | CONTROL HEAD (–) |
| CUE BIAS | CUE BIAS |
| CURRENT LIM | CURRENT LIMMITER |
| CYL ET | CYLINDER TORQUE CONTROL |

| | |
|---|---|
| CYL GND | CYLINDER GND |
| D.F.M. REC [H] | DELAIED FM RECORDING Ⓗ |
| D. FM REC [L] | DELAIED FM RECORDING Ⓛ |
| D. GND | DIGITAL GND |
| D. REC [H] | DELAYED RECORDING Ⓗ |
| D4/S. LED | D4/STILL LED |
| D4/STILLED | D4/STILL LED |
| DAC [CLK] | TUNER DAC (CLOCK) |
| DAC/FSCS | TUNER DAC/FS CHIP SELECT |
| DAREC [H] | DELAYED AUDIO RECORDING Ⓗ |
| DATA | DATA |
| DECODER [L] | DECODER (L) |
| DECODER [R] | DECODER (R) |
| DEW | DEW |
| DEW SNS | DEW SENSOR |
| DFMRE [H] | DELAYED FM AUDIO RECORDING Ⓗ |
| E. REC 5V | EXCEPT RECORDING 5V |
| EC | ERROR TORQUE CONTROL |
| ECR | ERROR TORQUE CONTROL<br>REFERENCE VOLTAGE |
| EDT TRIG [L] | EDIT TRIGGER Ⓛ |
| EDIT [H] | EDIT Ⓗ |
| EE [H] | EE Ⓗ |
| EE [H]/INS [M] | EE Ⓗ/INSERT Ⓜ |
| EE. VV. TR | EE/VV/TRICK PLAY |
| EJECT. PO | EJECT POSITION |
| EJECT/VDET | EJECT/REVERSE SLOW LOCK |
| ENV. SEL | ENVELOPE SELECT |
| ENVE. OUT | ENVELOPE OUTPUT |
| ENVE. SEL | ENVELOPE SELECT |
| ENV SELECT | ENVELOPE SELECT |
| EP [H] | LP Ⓗ |
| EP/LP [H] | LP Ⓗ |
| EP/LP/SP | LP/SP |
| EP/SS [H] | LP/SLOW/STILL/STOP Ⓗ |
| EPROMCS | EPROM CHIP SELECT |
| EX. REC 5V | EXCEPT RECORDING 5V |
| FF/REW [L] | FIRST FORWARD/REWIND Ⓛ |
| FG1 IN | FG1 PULSE INPUT |
| FG2 IN | FG2 PULSE INPUT |
| FILTER ADJUSTMENT | FILTER ADJUSTMENT |
| FLY ERASE [H] | FLYING ERASE HEAD ON Ⓗ |
| FLY ON [H] | FLYING ERASE HEAD ON Ⓗ |
| FLY. E [H] | FLYING ERASE HEAD ON Ⓗ |
| FM MUT [H] | FM AUDIO MUTE Ⓗ |
| FM MUTE [H] | FM AUDIO MUTE Ⓗ |
| FM OUT [L] | FM OUTPUT (L) |
| FM OUT [R] | FM OUTPUT (R) |
| FM PACK OUT [L] | FM PACK OUTPUT (L) |
| FM PACK OUT [R] | FM PACK OUTPUT (R) |
| FM/BS SEL [L] | FM/BS SELECT (L) |
| FM/BS SEL [R] | FM/BS SELECT (R) |
| FS. CLK | FS CLOCK |
| FUL. E [H] | FULL ERASE HEAD ON Ⓗ |
| FULL. E [H] | FULL ERASE HEAD ON Ⓗ |

| | |
|---|---|
| FULL. E. 12V | FULL ERASE 12V |
| GND [A] | GND (ANALOG) |
| GND [TU] | GND (TUNER) |
| GND/N. SW. 12V | GND/NON SW 12V |
| H. SYNC | HORIZONTAL SYNC |
| H. AMP. SW | HEAD AMP SW PULSE |
| H. P <R> | HEAD PHONE (R) |
| H. P <L> | HEAD PHONE (L) |
| H. P GND | HEAD PHONE GND |
| H. P OUT [L] | HEAD PHONE OUTPUT (L) |
| H. P OUT [R] | HEAD PHONE OUTPUT (R) |
| H. SW | HEAD SW PULSE |
| HEAD PHONE [L] | HEAD PHONE (L) |
| HEAD PHONE [R] | HEAD PHONE (R) |
| HEAD SW | HEAD SW |
| HEATER [+] | HEATER (+) |
| HEATER [–] | HEATER (–) |
| HSS | HORIZONTAL SYNC SIGNAL |
| HTR [+] | HEATER (+) |
| HTR [–] | HEATER (–) |
| I RFE | REFERENCE CURRENT |
| ICL | CONTROL AGC CIRCUIT |
| IF | INTERMEDIATE FREQUENCY |
| IN SELA1 | INPUT SELECT A1 POSITION |
| IN SELA2 | INPUT SELECT A2 POSITION |
| IN SELA3 | INPUT SELECT A3 POSITION |
| INS L/R [L] | INSERT Lch/Rch Ⓛ |
| INS. [H] | INSERT Ⓗ |
| INSEL A1 | INPUT SELECT A1 POSITION |
| INSEL A2 | INPUT SELECT A2 POSITION |
| INSERT | INSERT |
| INSERT [H] | INSERT Ⓗ |
| IO CS | INPUT/OUTPUT CHIP SELECT |
| JOG1 | JOG1 |
| JOG S3 LED/FOWRD | JOG LED/FORWARD LED |
| JOG/F. LED | JOG LED/FORWARD LED |
| JSB [H] | JSB Ⓗ |
| JST. CLCK | JUST CLOCK |
| JST. CLK | JUST CLOCK |
| JST. CLOCK | JUST CLOCK |
| L. OUT | Lch OUTPUT |
| L. CH [H] | Lch Ⓗ |
| L. CH [L] | Lch Ⓛ |
| LED (MAIN) | LED (MAIN) |
| LED (STEREO) | LED (STEREO) |
| LED (SUB) | LED (SUB) |
| LED CKL | LED SERIAL CLOCK |
| LED CKS | LED SERIAL CLOCK |
| LED DATA | LED SERIAL DATA |
| LINE IN 1 [L] | LINE INPUT 1 (L) |
| LINE IN 1 [R] | LINE INPUT 1 (R) |
| LINE IN 2 [L] | LINE INPUT 2 (L) |
| LINE IN 2 [R] | LINE INPUT 2 (R) |
| LINE IN V | LINE INPUT VIDEO |
| LINE IN [L] | LINE INPUT (L) |

| | |
|---|---|
| LINE IN [R] | LINE INPUT (R) |
| LINE OUT [L] | LINE OUTPUT (L) |
| LINE OUT [R] | LINE OUTPUT (R) |
| LP [H] | LP Ⓗ |
| LPTRI [L] | LP TRICK PLAY Ⓛ |
| Lch/A. DUB | Lch/AUDIO DUBBING |
| M GND | MOTOR GND |
| M REG | MOTOR REGULATOR |
| MAIN OUT | MAIN OUTPUT |
| MAIN [L] | MAIN Ⓛ |
| MAIN/MONO | MAIN/MONAURAL |
| MAX IN | MAXIMAM INPUT |
| MES [H] | MESECAM Ⓗ |
| MESE [H] | MESECAM Ⓗ |
| MESE [L] | MESECAM Ⓛ |
| METER 5V | LEVEL METER 5V |
| METER [L] | LEVEL METER (L) |
| METER [R] | LEVEL METER (R) |
| METER. L/AVS | LEVEL METER (L) |
| METER. R/AVC | LEVEL METER (R) |
| MI/BI [L] | MIX Ⓗ/BILIGUAL |
| MIC GND | MIC GND |
| MIC IN | MIC INPUT |
| MIC IN [L] | MIC INPUT (L) |
| MIC IN [R] | MIC INPUT (R) |
| MIC [H] | MIC Ⓗ |
| MIX [H] | MIX Ⓗ |
| MIX [H]/CINEMA [L] | MIX Ⓗ/CINEMA SOUND Ⓛ |
| MIX/CINE | MIX Ⓗ/CINEMA SOUND Ⓛ |
| MIX/CINEMA [L] | MIX Ⓗ/CINEMA SOUND Ⓛ |
| MN. H/M. L | MONAURAL Ⓗ/MAIN Ⓛ |
| MN. H/MAI. L | MONAURAL Ⓗ/MAIN Ⓛ |
| MN2/MES. L | MONAURAL 2/MESECAM Ⓛ |
| MODE SEL | AUDIO MODE SELECT |
| MODE SW | AUDIO MODE SW |
| MODE. S. IN | AUDIO MODE SELECT INPUT |
| MODE. S. OUT | AUDIO MODE SELECT OUTPUT |
| MONO [H] | MONAURAL Ⓗ |
| MONO [H]/MAIN [L] | MONAURAL Ⓗ/MAIN Ⓛ |
| MONO2 [L] | MONAURAL 2 |
| MONO2/MESE [FM(L)] | MONAURAL 2/MESECAM (FM Ⓛ) |
| MOTOR GND | MOTOR GND |
| MUTE | MUTE |
| N. A. REC [L] | NORMAL AUDIO RECORDING |
| N. SW 12V | NON SW 12V |
| N. SW. 5. DET | NON SW 5V DETECT |
| NICAM | NICAM |
| NICAM [L] | NICAM Ⓛ |
| NOL [H] | PAL Ⓗ/4.43 NTSC Ⓜ/3.58 NTSC Ⓛ |
| NOR/SOFT [H] | NORMAL/SOFT TAPE PLAY Ⓗ |
| NORMAL [H] | NORMAL Ⓗ |
| NR BIAS | NR BIAS |
| NTSC [L] | NTSC Ⓛ |
| OCH | CONTROL AGC CIRCUIT |
| OUT | OUTPUT |

| | |
|---|---|
| P-OFF [H] | POWER OFF Ⓗ |
| P-OFF [L] | POWER OFF Ⓛ |
| P. FAIL | POWER FAILURE DETECT |
| P. OFF [H] | POWER OFF Ⓗ |
| P. OFF [L] | POWER OFF Ⓛ |
| PAL [H] | PAL Ⓗ |
| PAL [L]/NTSC [H] | PAL Ⓛ/NTSC Ⓗ |
| PB ADJ OUT | PLAYBACK ADJUST OUTPUT |
| PB OUT | PLAYBACK OUTPUT |
| PB. H | PLAYBACK Ⓗ |
| PFG | PG/FG |
| PHOTSN +B | PHOTO SENSOR +B |
| PICT. CNT | PICTURE CONTROL |
| PLAY LED/RVS LED | PLAY LED/REVERSE LED |
| PLAY. PO | PLAY POSITION |
| PLAY/R. LED | PLAY LED/REVERSE LED |
| PLY/DEW | PLAY/DEW Ⓗ |
| POWER OFF [L] | POWER OFF Ⓛ |
| PREROLL [H] | PREROLL Ⓗ |
| PWRFAIL | POWER FAILURE DETECT |
| R. CH [H] | Rch Ⓗ |
| R. CH [L] | Rch Ⓛ |
| R. ST | RESET |
| R/S/F | REVERSE Ⓗ/STOP Ⓜ/FORWARD Ⓛ |
| RCH [H] | Rch Ⓗ |
| REC 12V | RECORDING 12V |
| REC CHROMA | RECORDING CHROMINANCE SIGNAL |
| REC H | RECORDING Ⓗ |
| REC IN | RECORDING INPUT |
| REC OUT [L] | RECORDING OUTPUT Ⓛ |
| REC START | RECORDING START |
| REC VR [C] | RECORDING VOLUME (COMMON) |
| REC VR [L] | RECORDING VOLUME (L) |
| REC VR [R] | RECORDING VOLUME (R) |
| REC Y | RECORDING LUMINANCE SIGNAL |
| REC [H] | RECORDING Ⓗ |
| REC. C | RECORDING CHROMINANCE SIGNAL |
| REC. Y | RECORDING LUMINANCE SIGNAL |
| REC/EE CTL | RECORDING/EE CONTROL |
| REEL-T | REEL PULSE (TAKE-UP) |
| REEL-S | REEL PULSE (SUPPLY) |
| REGULATOR FILTER | REGULATOR FILTER |
| RESET | RESET |
| REV M F/R | REVIEW MOTOR FORWARD/REVERSE |
| REV M V1 | REVIEW MOTOR V1 |
| REV M V2 | REVIEW MOTOR V2 |
| REV MOTOR F/R | REVIEW MOTOR FORWARD/REVERSE |
| REV MOTOR V1 | REVIEW MOTOR V1 |
| REV MOTOR V2 | REVIEW MOTOR V2 |
| REV MOTOR [+] | REVIEW MOTOR (+) |
| REV MOTOR [–] | REVIEW MOTOR (+) |
| REV. M. GND | REVIEW MOTOR GND |
| RF. CHROMA | RF CHROMINANCE SIGNAL |

| | |
|---|---|
| RF OUT | RF OUTPUT |
| RF Y | RF LUMINANCE SIGNAL |
| RF. Y. IN | RF LUMINANCE SIGNAL INPUT |
| RF. Y. OUT | RF LUMINANCE SIGNAL OUTPUT |
| ROTAR. SW | ROTARY SW |
| ROTARY | ROTARY SW |
| RST | RESET |
| RST [L] | RESET Ⓛ |
| Rch/INST | Rch/INSERT |
| S IN | SERIAL DATA INPUT |
| S OUT | SERIAL DATA OUTPUT |
| S-PHOTO | SUPPLY PHOTO TRANSISTOR |
| S-RL. PLS | SUPPLY REEL PULSE |
| S. CLK | SERIAL CLOCK |
| S. CLK/AV | SERIAL CLOCK/AV |
| S. DATA | SERIAL DATA |
| S. DATA/A | SERIAL DATA |
| S. PHOTO | SUPPLY PHOTO TRANSISTOR |
| S. TAB [L] | SAFETY TAB SW ON Ⓛ |
| S/P/N | SECAM/PAL/NTSC |
| SC IN | SERIAL CLOCK INPUT |
| SC OUT | SERIAL CLOCK OUTPUT |
| SCK SELECT | SERIAL CLOCK SELECT |
| SEL OUT [L] | SELECT OUTPUT (L) |
| SEL OUT [R] | SELECT OUTPUT (R) |
| SHUTTLE 1 | SHUTTLE 1 |
| SIF | SOUND INTERMEDIATE FREQUENCY |
| SLMUT [H] | INPUT SELECT MUTE Ⓗ |
| SLNID [+] | SOLENOID (+) |
| SLNID [–] | SOLENOID (–) |
| SLW TR. MM | SLOW TRACKING MONO MULTI |
| SLW TR. REF | SLOW TRACKING REFERENCE VOLTAGE |
| SNS. GND | SENSOR GND |
| SOFT [H] | SOFT TAPE PLAY Ⓗ |
| SOFT [H]/NORMAL | SOFT TAPE PLAY Ⓗ/NORMAL Ⓗ |
| SOLENOID ON [L] | SOLENOID ON Ⓛ |
| SP [H] | SP Ⓗ |
| SP/L/SLP | SP/LP |
| SSS [L] | SLOW/STILL/STOP |
| STEREO LED | STEREO LED |
| STEREO [H] | STEREO Ⓗ |
| STEREO [L] | STEREO Ⓛ |
| STOP. PO | STOP POSITION |
| STOP/5V | STOP POSITION/5V |
| STOP1/TAPE SEL | STOP1 POSITION/TAPE SELECT |
| STOP1/PAL:ST | STOP1 POSITION/PAL |
| STOP2. PO | STOP 2 POSITION |
| STOP2/S-TAB | STOP 2 POSITION/SAFETY TAB SW |
| STREO [H] | STEREO Ⓗ |
| SUB BIAS | SUB BIAS |
| SUB. SW | SUB SW |
| SVHS CAS [L] | S-VHS CASSETTE Ⓛ |
| SW. 5. DET | SW 5V DETECT |
| SYNC [L] | SYNC Ⓛ |
| SYSCON 5V | SYSTEM CONTROL 5V |
| SYSTEM | SYSTEM SW |
| T-PHOTO | TAKE-UP PHOTO TRANSISTOR |
| T-RL. PLS | TAKE-UP REEL PULSE |
| T. BUSCLK | TIMER BUS CLOCK |
| T. BUSLSN | TIMER BUS LISTEN |
| T. BUSTLK | TIMER BUS TALK |
| T. END [L] | TAPE END Ⓛ |
| T. PHOTO | TAKE-UP PHOTO TRANSISTOR |
| TAPE END [L] | TAPE END Ⓛ |
| TAPE END [L]/CAM | TAPE END Ⓛ/CAMERA PAUSE |
| TEST | TEST MODE |
| TPZ | TRAPEZOIDAL WAVE CIRCUIT |
| TRIC [L] | TRIC PLAY Ⓛ |
| TRICK [L] | TRIC PLAY Ⓛ |
| TRK. ENV | AUTO TRACKING ENVELOPE DETECT |
| TU. AUDIO | TUNER AUDIO |
| TU. GND | TUNER GND |
| TU. V. IN | TUNER VIDEO SIGNAL INPUT |
| TU. VIDEO | TUNER VIDEO |
| TUN NOR IN | TUNER NORMAL INPUT |
| TUN R | TUNER AUDIO (R) |
| TUN. AUDIO IN | TUNER AUDIO INPUT |
| TUNER 12V | TUNER 12V |
| TUNER L | TUNER AUDIO (L) |
| TUNER V IN | TUNER VIDEO SIGNAL INPUT |
| TUNER [L] | TUNER AUDIO (L) |
| TUNER [N] | TUNER AUDIO (NORMAL) |
| TUNER [R] | TUNER AUDIO (R) |
| TUNER. 12 | TUNER 12V |
| TUOFF [H] | TUNER OFF Ⓗ |
| TV. AUDIO | TV AUDIO |
| TV/VTR | TV/VTR |
| TXTON [L] | TEXT ON Ⓛ |
| U. REG45V | UNREGULATOR 45V |
| UNREG | UNREGULATOR |
| UNREG19V | UNREGULATOR 19V |
| V. REF | REFERENCE VOLTAGE |
| V. EE [H] | VIDEO EE Ⓗ |
| V. EE [L] | VIDEO EE Ⓛ |
| VCO REF | REFERENCE OSCILLATER |
| VD. IN | VIDEO SIGNAL INPUT |
| VD. OUT | VIDEO SIGNAL OUTPUT |
| VIDEO EE [L] | VIDEO EE Ⓛ |
| VIDEO IN | VIDEO SIGNAL INPUT |
| VIDEO OUT | VIDEO SIGNAL OUTPUT |
| VM | MOTOR VOLTAGE |
| VM DOWN [L] | MOTOR VOLTAGE DOWN Ⓛ |
| VSS | VERTICAL SYNC SIGNAL |
| VTR [H] | VTR Ⓗ |
| VTR. 12V | VTR 12V |
| X IN | OSCILLATOR INPUT |
| X OUT | OSCILLATOR OUTPUT |

LB4401
J0JGC0000020

GN D3.3V

EN 768FS1

R4403 0
R4402 0

R4426 0
R4427 0
R4428 0
R4425 5600

GN X1DA LP
MC DEC SCK
MC DEC SDTO
GN XDMUTE
MC XRESET

C4406 0.1

D4401
MA3Z142K0LG

IC4402
C0FBBK000035
(AUDIO 2CH D/A CONVERTER)

SCK MLC MDI NC ZEROA VCOM AGNDL
BCK DATA LRCK DGND VDD VCC VOUTL VOUTR

C4403 0.1
C4402 16V10

IC4403
C0JBAD000107
(XD MUTE OUT)

VCC OUTY INB INA GND

GN AMUTE
GN MIXROUT DM
GN MIXLOUT DM

MC 1DABCK
MC 1DADATA
MC 1DALRCK

R4406 0
R4405 0
R4404 0

FL4401
F1H0J4740004

LB4404
J0JGC0000020

FL4402
F1H0J4740004

C4407 16V10

C4408 0.1

IC4404
C0CBCBD00002
(REG.DAC+3.3V)

OUT GND NR
VIN GND ON

GN DGND

C4405 0.1
C4404 6V100

LB4402
J0JHC0000032

GN AU5V

C4409 0.1
C4410 6V330
C4411 0.1
C4412 6V100

R4412 5.6K

GN AADC R

R4411 10K

IC4405
C0ABBB000105
(AUDIO BUFFER)

VCC OUTB -INB +INB
OUTA -INA +INA VEE

GN AUGND

LB4403
J0JGC0000020

C4418 0.1
C4417 10V10

R4415 0

GN AADC L

R4407 10K

R4409 5.6K

R4414 0

GN XADC PD

IC4406
C0FBAK000008
(AUDIO A/D CONVERTER)

MODE1 MODE0 FMT1 FMT0 TEST SCKI VDD DGND DOUT BCK
VINL VINR VREF1 VREF2 VCC AGND XPDWN BYPAS FSYNC LRCK

R4420 0
R4421 0
R4422 0

EN ENCMCK2
GN ADDATA
GN ADBCK

R4419 0

GN ADLRCK

C4426 0.1

C4421 1000P
C4423 1000P
C4424 1000P

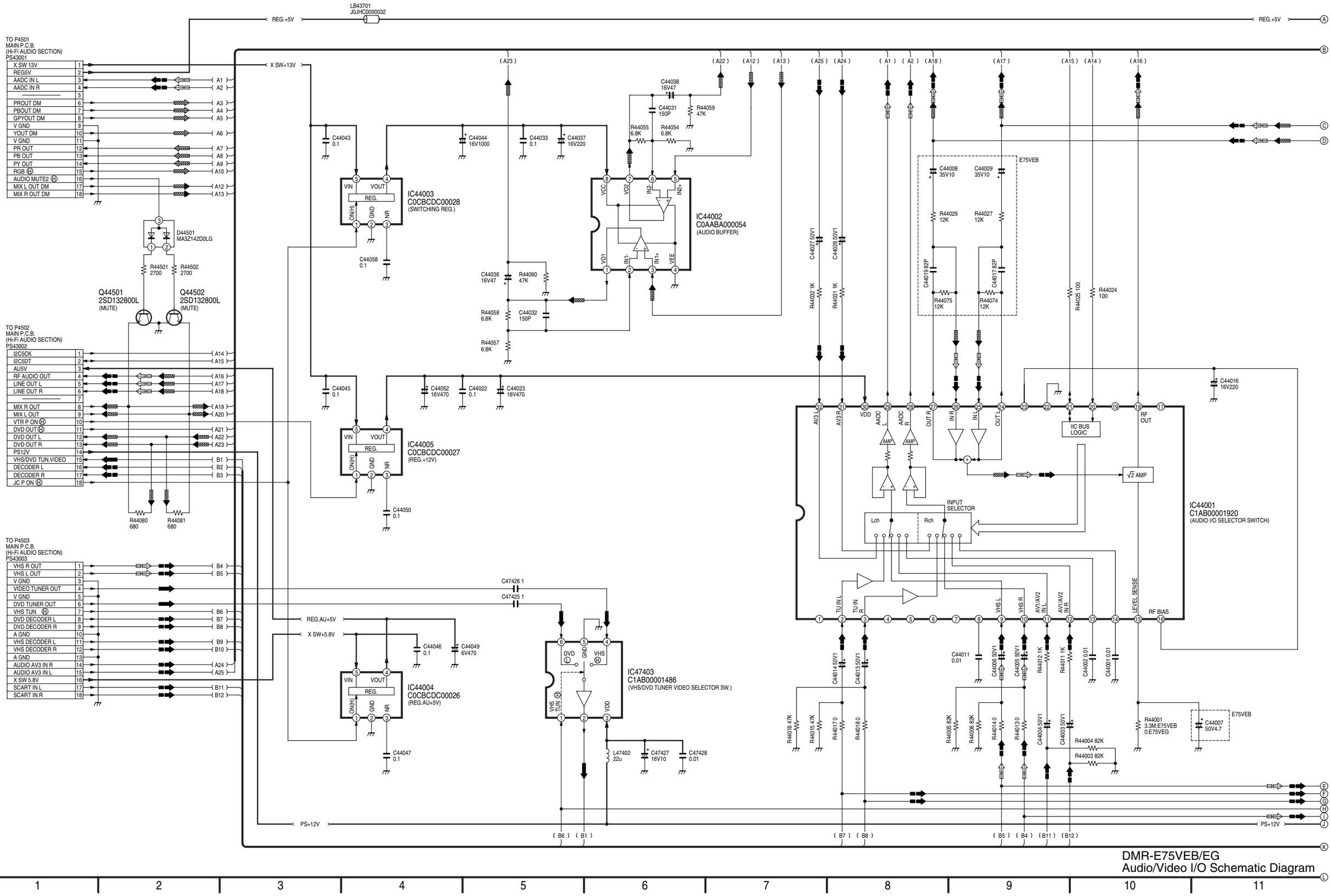
C4416 0.1
C4415 6V47

R4418 220

GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Audio I/O Section (Digital P.C.B.(4/4))
Schematic Diagram (AI)


TO P4501
MAIN P.C.B.
(Hi-Fi AUDIO SECTION)
PS43001
X SW 13V
REG5V
AADC IN L
AADC IN R
PROUT DM
PBOUT DM
GPYOUT DM
V GND
YOUT DM
V GND
PR OUT
PB OUT
PY OUT
RGB H
AUDIO MUTE2 H
MIX L OUT DM
MIX R OUT DM
TO P4502
MAIN P.C.B.
(Hi-Fi AUDIO SECTION)
PS43002
I2CSCK
I2CSDT
AU5V
RF AUDIO OUT
LINE OUT L
LINE OUT R
MIX R OUT
MIX L OUT
VTR P ON H
DVD OUT H
DVD OUT L
DVD OUT R
PS12V
VHS/DVD TUN.VIDEO
DECODER L
DECODER R
JC P ON H
TO P4503
MAIN P.C.B.
(Hi-Fi AUDIO SECTION)
PS43003
VHS R OUT
VHS L OUT
V GND
VIDEO TUNER OUT
V GND
DVD TUNER OUT
VHS TUN H
DVD DECODER L
DVD DECODER R
A GND
VHS DECODER L
VHS DECODER R
A GND
AUDIO AV3 IN R
AUDIO AV3 IN L
X SW 5.8V
SCART IN L
SCART IN R
D44501
MA3Z142D0LG
R44501 2700
R44502 2700
Q44501
2SD132800L
(MUTE)
Q44502
2SD132800L
(MUTE)
R44080 680
R44081 680
LB43701
J0JHC0000032
REG.+5V
X SW+13V
REG.AU+5V
X SW+5.8V
PS+12V
IC44003
C0CBCDC00028
(SWITCHING REG.)
IC44004
C0CBCDC00026
(REG.AU+5V)
IC44005
C0CBCDC00027
(REG.+12V)
IC44002
C0AABA000054
(AUDIO BUFFER)
IC47403
C1AB00001486
(VHS/DVD TUNER VIDEO SELECTOR SW.)
IC44001
C1AB00001920
(AUDIO I/O SELECTOR SWITCH)
E75VEB
IIC BUS LOGIC
INPUT SELECTOR
√2 AMP
AMP
Lch
Rch
DMR-E75VEB/EG
Audio/Video I/O Schematic Diagram

VIDEO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
DVD VIDEO SIGNAL
DVD AUDIO SIGNAL

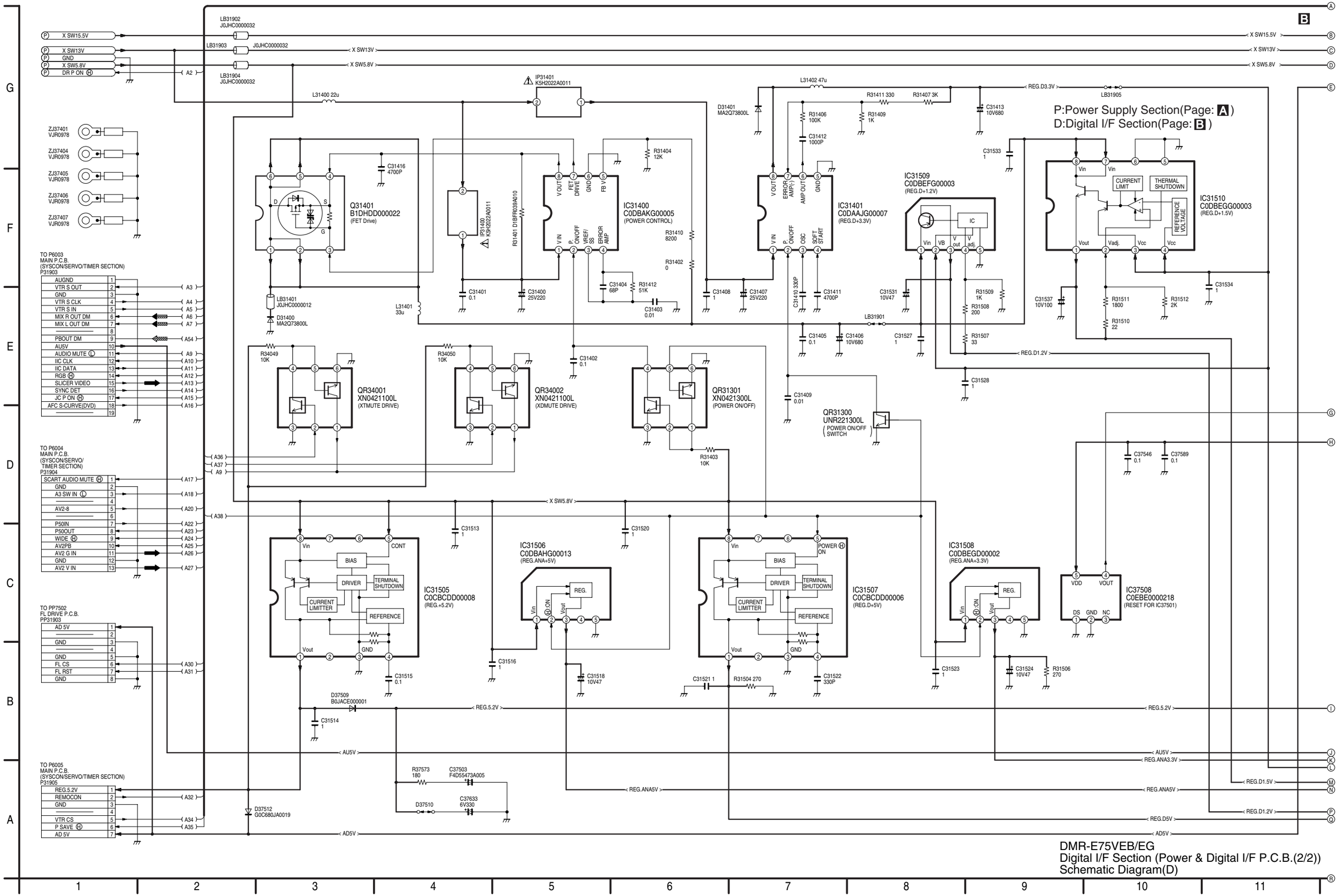
REG.+5V
REG.+12V
R44505 1K
R44506 10K
QR44501 UNR521300L (DVD OUT Ⓗ:ON)
C44504 0.01
C44501 35V10
C44503 35V10
C44502 35V10
C44507 35V10
R44504 100K
R44503 100K
IC44502 C0JBAR000285 (DVD/VHS AUDIO SELECTOR SW.)
SW LOGIC
IC44501 C0ABBB000108 (AUDIO BUFFER)
R44509 100K
R44510 100K
R44511 1K
C44509 10V100
C44508 35V10
C44505 35V10
R47428 1K
C47462 16V47
C47463 0.01
R47429 47K
L47405 22u
QR47403 UNR521300L (VHS TUN Ⓗ :ON)
R47430 100K
R47431 100K
R47423 0
C47458 16V10
C47464 16V10
IC47406 C0JBAR000285 (VHS/DVD TUNER SELECTOR SW.)
IC47407 C0ABBB000108 (AUDIO BUFFER)
R47425 100K
R47424 100K
R47427 1K
C47461 10V100
R47426 0
C47460 16V10
C47459 16V10
PS+12V

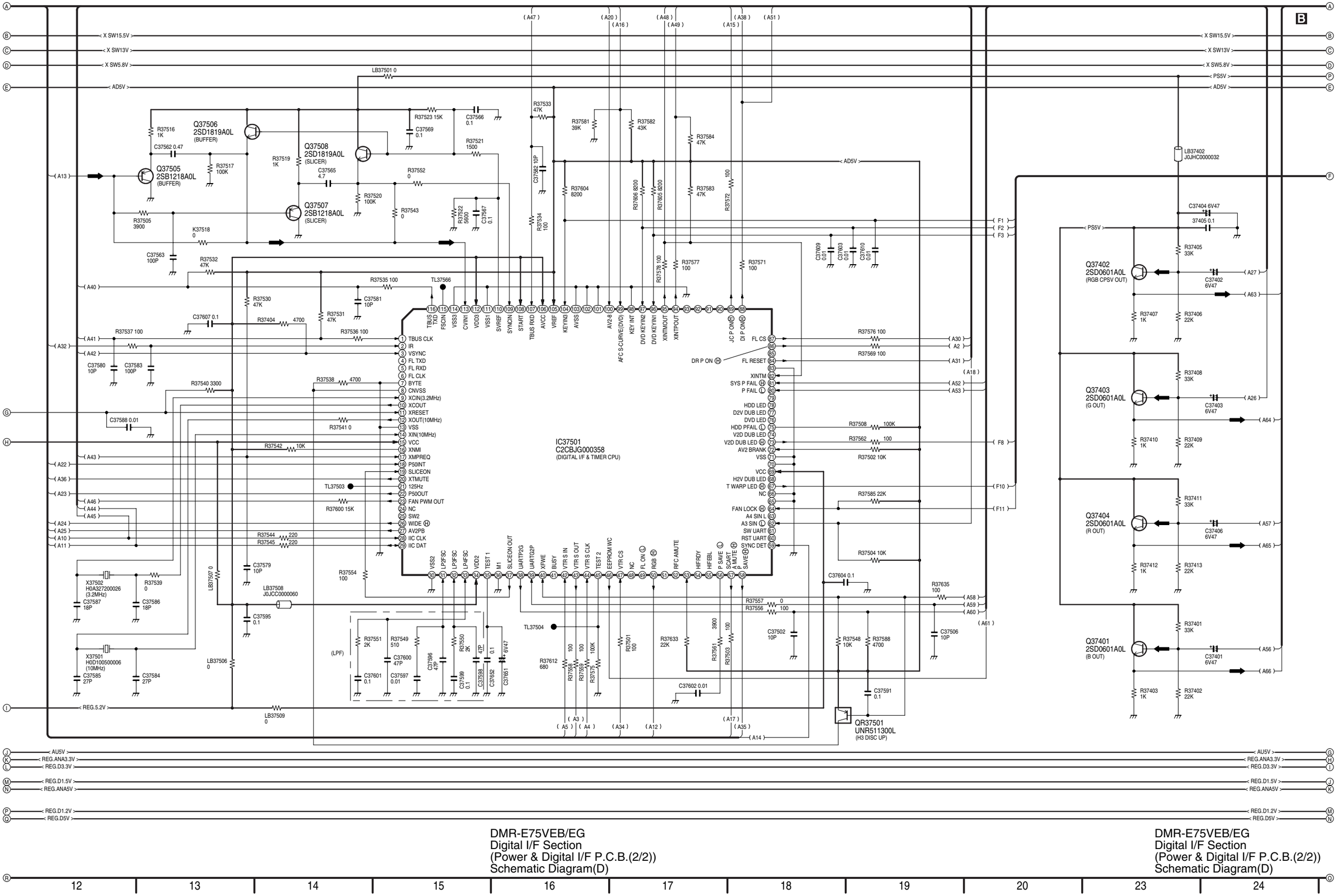
C43703 1
C43702 1
IC43701 C1AB00001486 (SELECTOR SWITCH)
IC43702 C9ZB00000377 (VIDEO I/O BUFFER)
C43709 0.1
C43710 0.1
C43711 1
R43701 1800
R43703 1800
C43701 0.01
C43712 6V220
C43713 0.01
MUTE1
MUTE2
CLAMP
12M LPF
6M LPF
(IC TRAP 27MHz)
C43720 6V1000
C43721 6V100
C43722 6V330
C43723 6V330
C43707 6V47
C43708 6V47
R43702 68
R43704 68
Q43702 2SB1218A0L (AMP)
Q43701 2SB1218A0L (AMP)
R43706 1K
R43705 1K
QR43703 UNR521200L (RGB Ⓗ :ON)
QR43702 UNR521200L (RGB Ⓗ :ON)



NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERRING.THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Audio/Video I/O
Schematic Diagram


P:Power Supply Section(Page: A)
D:Digital I/F Section(Page: B)
IC31400 C0DBAKG00005 (POWER CONTROL)
IC31401 C0DAAJG00007 (REG.D+3.3V)
IC31509 C0DBEFG00003 (REG.D+1.2V)
IC31510 C0DBEGG00003 (REG.D+1.5V)
IC31505 C0CBCDD00008 (REG.+5.2V)
IC31506 C0DBAHG00013 (REG.ANA+5V)
IC31507 C0CBCDD00006 (REG.D+5V)
IC31508 C0DBEGD00002 (REG.ANA+3.3V)
IC37508 C0EBE0000218 (RESET FOR IC37501)
Q31401 B1DHDD000022 (FET Drive)
QR34001 XN0421100L (XTMUTE DRIVE)
QR34002 XN0421100L (XDMUTE DRIVE)
QR31301 XN0421300L (POWER ON/OFF)
QR31300 UNR221300L (POWER ON/OFF SWITCH)
TO P6003 MAIN P.C.B. (SYSCON/SERVO/TIMER SECTION) P31903
TO P6004 MAIN P.C.B. (SYSCON/SERVO/ TIMER SECTION) P31904
TO PP7502 FL DRIVE P.C.B. PP31903
TO P6005 MAIN P.C.B. (SYSCON/SERVO/TIMER SECTION) P31905
DMR-E75VEB/EG
Digital I/F Section (Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)




DMR-E75VEB/EG
Digital I/F Section
(Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

DMR-E75VEB/EG
Digital I/F Section
(Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

VIDEO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
DVD VIDEO SIGNAL
DVD AUDIO SIGNAL

P:Power Supply Section(Page: A )
D:Digital I/F Section(Page: B )

X SW15.5V
X SW13V
X SW5.8V
PS5V
AD5V

Q37512
2SD0874A0L
(FAN MOTOR DRIVE)

C37639 0.1
R37602 820
R37603 18K

FAN MOTOR

P37503
1 FANDCOUT
2 GND
3 FANLOCK

TO PP7501
FL DRIVE P.C.B.
PP31904
F3 DVD KEY IN1
F2 DVD KEY IN2
F1 DVD KEY IN3
F8 DUB LED
F10 T WARP LED

TO P9001
DIGITAL P.C.B.
(GLUE NET SECTION)
P39702
1 CPNCIN DM
2 V YIN DM
3 DGND
4 DGND
5 G/CY IN
6 RGB CPSVIN
7 DGND
8 DGND
9 B/CB IN
11 DGND
12 DGND
13 R/CR IN
14 DGND
16 DGND
17
18 COUT DM
20 DGND
22 YOUT DM
24 DGND
26 GPYOUT DM
27 XINTM
28 DGND
29 XINTP
30 BPBOUT DM
31 XFWE
32 DGND
33 SCLK
34 RPROUT DM
35 XMPREQ
36 DGND
37 SBMTP
38 CSYNC IN
39 SBMTM
40 DGND
44 DGND
46 DGND
48 AADC R
50 AADC L
52 AUGND
54 AUGND
56 AUGND
57 DGND
58 MIXROUT DM
59 DGND
60 AUGND
61 DGND
62 MIXLOUT DM
63 DGND
64 AUGND
65 UARTP2G
67 DGND
68 AU5V
69 UARTG2P
70 XDMUTE
71 NC
72 IECOUT
73 NC
74 D3.3V
75 ANA3.3V
76 D3.3V
77 GND
78 D1.5V
79 ANA5V
80 D1.5V
81 X SW5.8V
82 D1.2V
83 D5V
84 D1.5V
85 X SW5.8V
86 D1.2V
87 X SW5.8V
88 D1.2V

TO P6001
MAIN P.C.B.
(SYSCON/SERVO/
TIMER SECTION)
P31901
1 X SW5.8V
2 X SW5.8V
3 X SW13V
4 X SW13V
5 IECOUT
6 ANA5V
7 GND
8 GND
9 PS5V
11 AV2 B IN
12 AV2 R IN
13 GND

LB34001 J0JCC0000103
IECOUT

TO P6002
MAIN P.C.B.
(SYSCON/SERVO/
TIMER SECTION)
P31902
1 X SW15.5V
2 MGND
3 GND
4 CPNCIN DM
5 GND
6 V YIN DM
7 GND
8 COUT DM
9 GND
10 YOUT DM
11 GND
12 GPYOUT DM
13 BPBOUT DM
14 RPROUT DM
15 PROUT DM
16 DGND
17 DGND
18 AADC R
19 AADC L

CPNCIN DM
V YIN DM
COUT DM
YOUT DM
GPYOUT DM
BPBOUT DM
RPROUT DM
AADC R
AADC L

C33734 1
C33731 0
C33738 0
C33740 6V47
C33735 6V47

LB34003 J0JCC0000103
LB34004 0
R34044 0
C34028 16V10
R34043 0
C34029 16V10
R39701 100
LB34002 J0JCC0000103
C31912 0.01
C31910 0.01
L31001 22u

IC37506
C0ABBA000146
(FAN MOTOR DRIVE)
VDD GND

C37636 1
R37601 10K

QR37401
UNR521100L
(CSYNC OUT)

IC37503
C0EBH0000172
(RESET)
OUT VDD GND

C37620 0.01
C37618 0.01
R37596 47K

C37504 0.1
R37547 4700
R37546 4700
R37599 22K
TL37520
TL37519
TL37518
C37593 10P
C37592 10P

IC37502
C3EBJC000038
(EEPROM)
VCC /WE SCL SDA
NC NC NC VSS

IC37505
C0EBE0000194
(RESET)
OUT VDD GND

R37597 15K
QR37502
UNR521200L
(SYS PFAIL H OUT)
C37626 0.01

AU5V
REG.ANA3.3V
REG.D3.3V
REG.D1.5V
REG.ANA5V
REG.D1.2V
REG.D5V

LB31007 J0JHC0000032
LB31002 J0JHC0000032
LB31001 J0JHC0000032
LB31005 J0JHC0000032
LB31006 J0JHC0000032
LB31003 J0JHC0000032
LB31004 J0JHC0000032

C31911 0.01
C31004 0.01
C31001 0.01
C31002 0.01
C31909 0.01
C31003 0.01

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS.ONLY THE SAME TYPE.

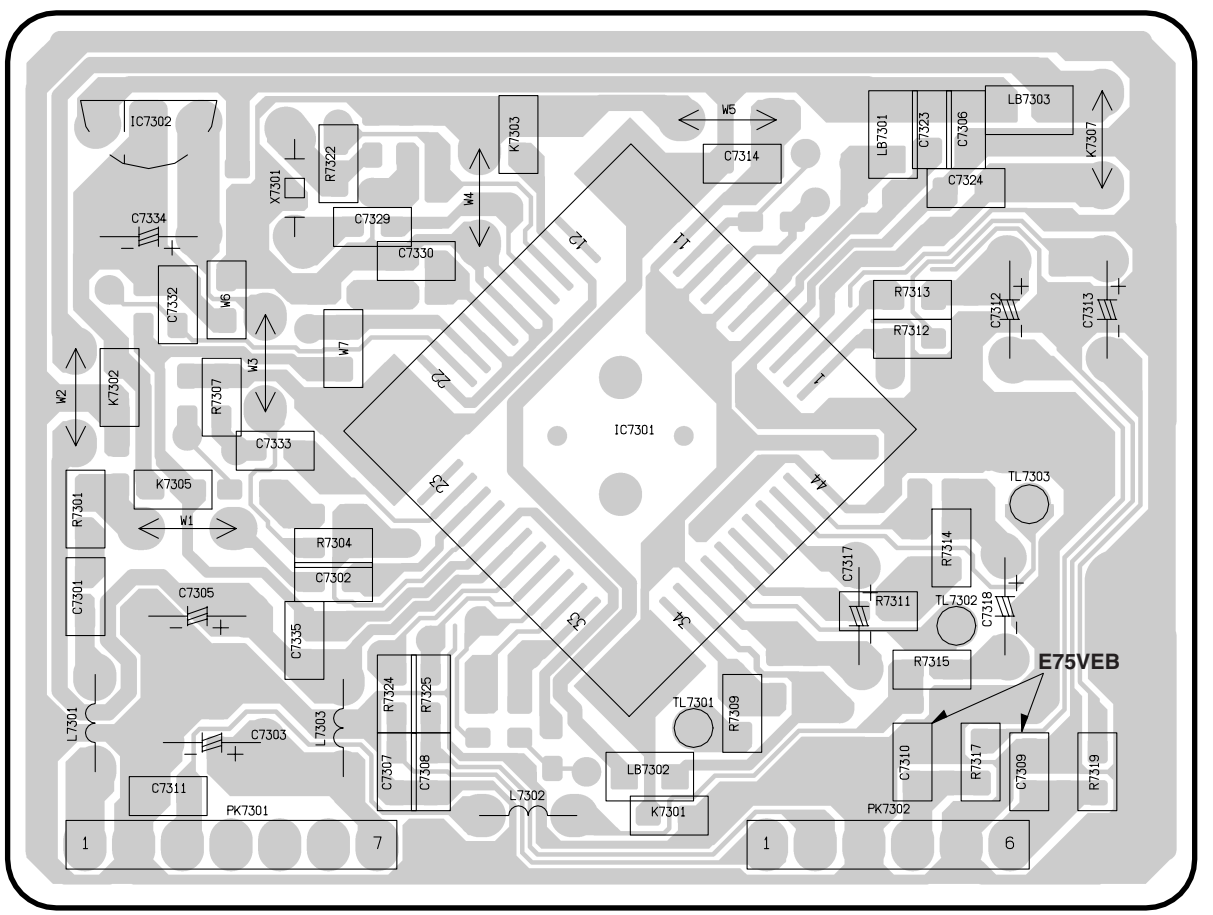
NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Digital I/F Section
(Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

DMR-E75VEB/EG
Digital I/F Section
(Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

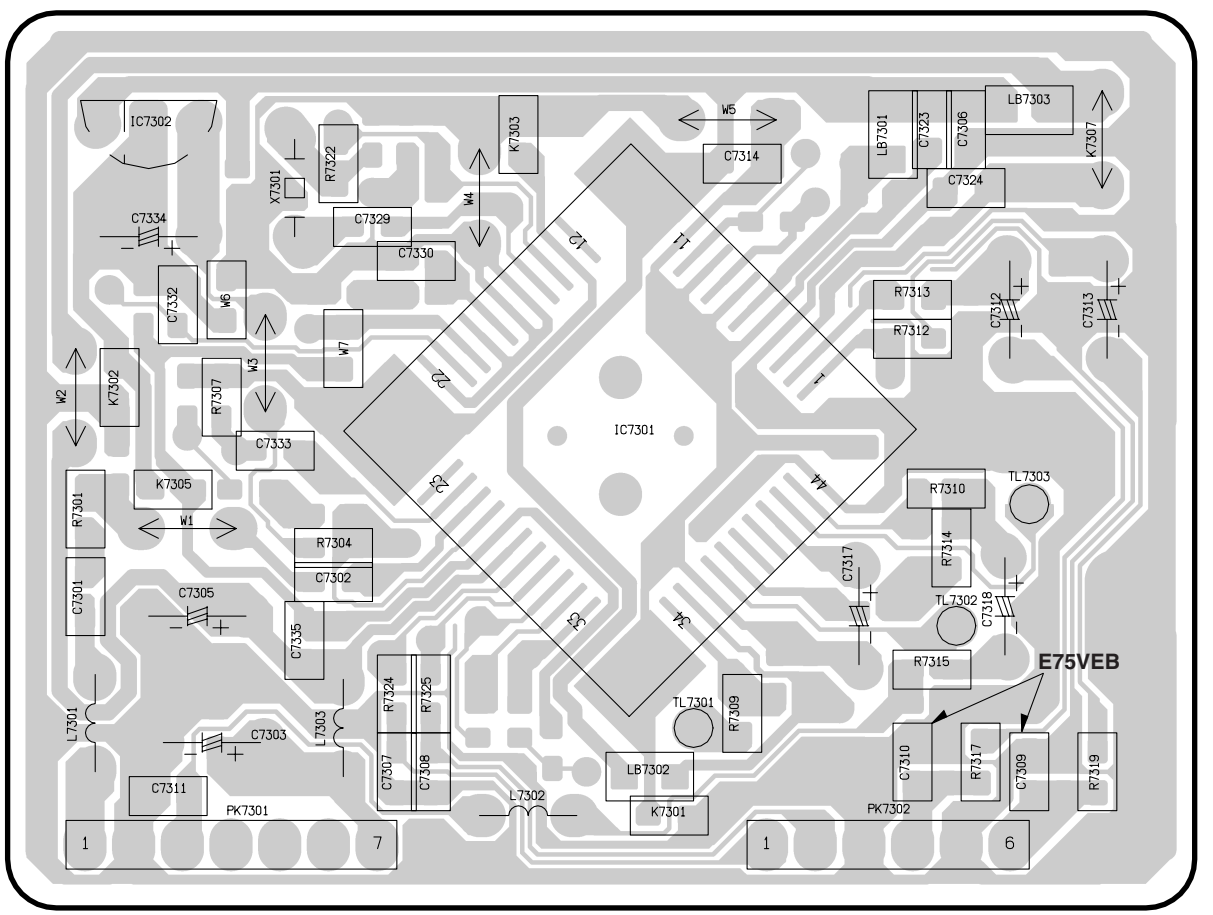
25 26 27 28 29 30 31 32 33 34 35

## Nicam Decoder (A) P.C.B. (For DVD)




DMR-E75VEB/EG
Nicam Decoder (A) P.C.B. (For DVD)
VEP07A51A : E75VEB
VEP07A51C : E75VEG

## Nicam Decoder (B) P.C.B. (For VHS)



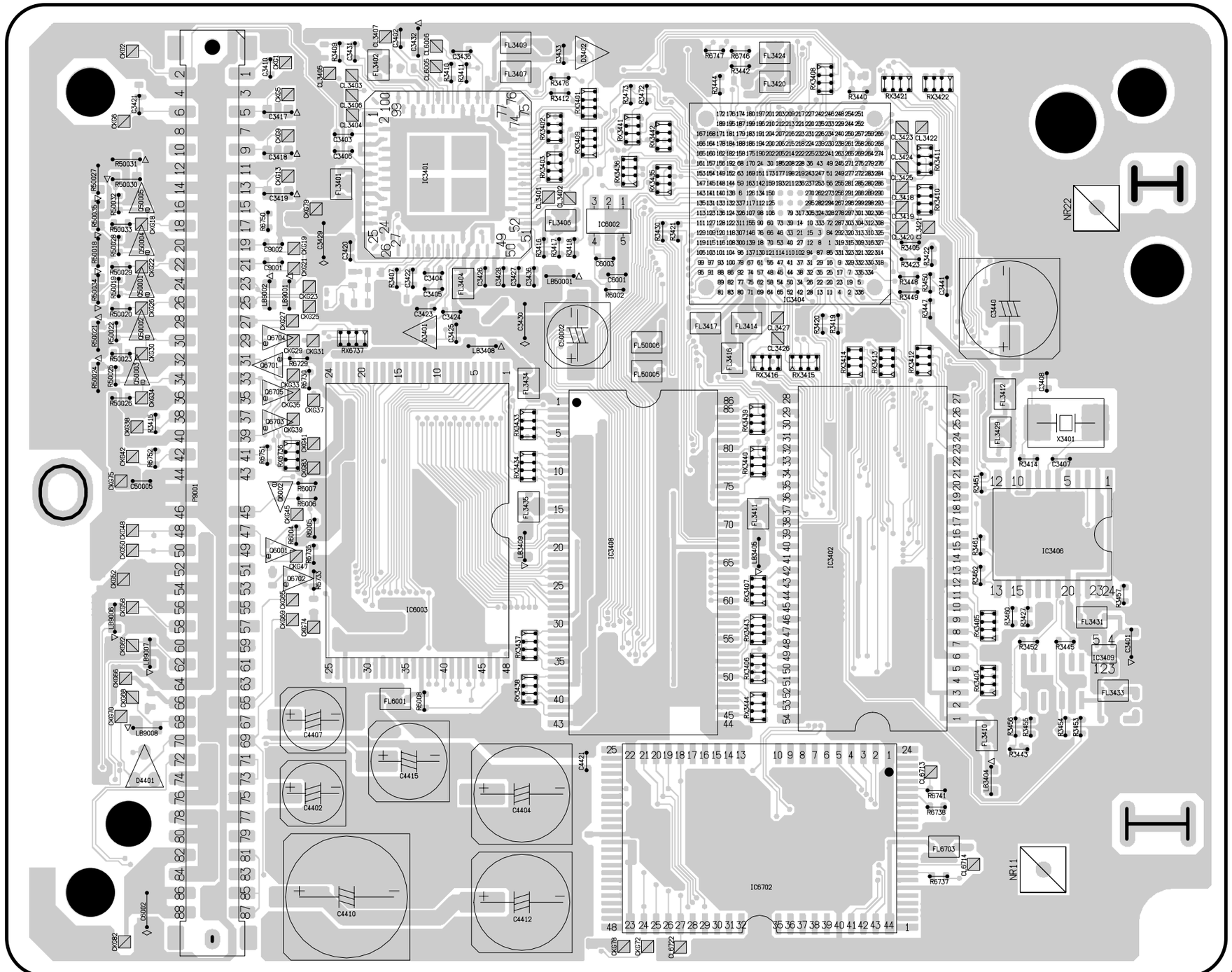

DMR-E75VEB/EG
Nicam Decoder (B) P.C.B. (For VHS)
VEP07A51B : E75VEB
VEP07A51D : E75VEG

Digital P.C.B.

| Integrated Circuit | | |
|---|---|---|
| IC3401 | C-2 | C |
| IC3402 | B-4 | C |
| IC3404 | C-3 | C |
| IC3406 | B-4 | C |
| IC3408 | B-3 | C |
| IC3409 | B-4 | C |
| IC4402 | A-4 | F |
| IC4403 | A-4 | F |
| IC4404 | A-4 | F |
| IC4405 | B-4 | F |
| IC4406 | B-4 | F |
| IC6001 | B-3 | F |
| IC6002 | C-3 | C |
| IC6003 | B-2 | C |
| IC6004 | A-3 | F |
| IC6005 | C-2 | F |
| IC6701 | B-2 | F |
| IC6702 | A-3 | C |
| IC50001 | B-4 | F |
| IC50002 | C-4 | F |
| **Transistor** | | |
| Q6001 | B-2 | C |
| Q6002 | B-2 | C |
| Q6701 | C-2 | C |
| Q6702 | B-2 | C |
| Q6703 | C-2 | C |
| Q6704 | C-2 | C |
| Q6705 | C-2 | C |
| Q50001 | C-1 | C |
| Q50002 | C-1 | C |
| Q50003 | C-1 | C |
| Q50004 | C-1 | C |
| Q50005 | C-1 | C |
| **Transistor-resistor** | | |
| QR3401 | A-2 | F |
| **Test Point** | | |
| CKC19 | A-1 | F |
| CKC20 | D-2 | F |
| CKC22 | D-2 | F |
| CKC24 | D-2 | F |
| CKC25 | C-3 | F |
| CKC27 | B-2 | F |
| CKC29 | C-3 | F |
| CKC30 | C-3 | F |
| CKC32 | C-3 | F |
| CKC33 | C-3 | F |
| CKC35 | C-3 | F |
| CKC36 | C-3 | F |
| CKC37 | C-3 | F |
| CKC38 | C-3 | F |
| CKC39 | C-3 | F |
| CKC41 | C-3 | F |
| CKC42 | C-3 | F |
| CKC43 | B-2 | F |
| CKC44 | C-3 | F |
| CKC45 | C-3 | F |
| CKC46 | D-4 | F |
| CKC47 | D-4 | F |
| CKC48 | D-4 | F |
| CKC49 | D-4 | F |
| CKC51 | D-4 | F |
| CKC52 | D-4 | F |
| CKC53 | D-4 | F |
| CKC54 | D-4 | F |
| CKC55 | D-5 | F |
| CKC56 | D-5 | F |
| CKC57 | D-5 | F |
| CKC58 | D-5 | F |
| CKC59 | D-4 | F |
| CKC61 | D-4 | F |
| CKC62 | D-4 | F |
| CKC63 | D-4 | F |
| CKC64 | D-4 | F |
| CKC65 | D-4 | F |
| CKC66 | D-4 | F |
| CKC67 | D-4 | F |
| CKC68 | D-4 | F |
| CKC69 | D-4 | F |
| CKC88 | C-1 | F |
| CKC93 | C-1 | F |
| CKC94 | A-1 | F |
| CKC95 | D-2 | F |
| CKC96 | D-2 | F |
| CKC97 | D-2 | F |
| CKC98 | D-2 | F |
| CKC99 | D-3 | F |
| CKC100 | D-3 | F |
| CKC102 | D-3 | F |
| CKC103 | D-3 | F |
| CKC105 | D-3 | F |
| CKC106 | D-3 | F |
| CKC108 | D-3 | F |
| CKC109 | D-3 | F |
| CKC112 | D-3 | F |
| CKC113 | D-3 | F |
| CKC114 | D-3 | F |
| CKC115 | D-3 | F |
| CKC116 | D-3 | F |
| CKC117 | D-3 | F |
| CKC118 | B-3 | F |
| CKC119 | B-3 | F |
| CKC121 | D-4 | F |
| CKC122 | D-4 | F |
| CKC123 | B-4 | F |
| CKC124 | B-4 | F |
| CKC125 | B-4 | F |
| CKC126 | B-4 | F |
| CKC127 | B-4 | F |
| CKC128 | D-4 | F |
| CKC129 | B-4 | F |
| CKC131 | B-4 | F |
| CKC132 | B-3 | F |
| CKC133 | B-4 | F |
| CKC134 | B-4 | F |
| CKC135 | D-4 | F |
| CKC136 | D-4 | F |
| CKC137 | D-4 | F |
| CKC138 | D-4 | F |
| CKC139 | D-4 | F |
| CKF1 | A-3 | F |
| CKF3 | A-3 | F |
| CKF4 | A-3 | F |
| CKF5 | A-3 | F |
| CKF6 | A-3 | F |
| CKF8 | A-3 | F |
| CKF10 | A-2 | F |
| CKF12 | A-3 | F |
| CKF14 | A-2 | F |
| CKF16 | A-3 | F |
| CKF18 | A-3 | F |
| CKF20 | A-2 | F |
| CKF23 | A-3 | F |
| CKF24 | A-3 | F |
| CKF25 | A-3 | F |
| CKF26 | A-3 | F |
| CKF27 | A-4 | F |
| CKF28 | A-4 | F |
| CKF29 | A-4 | F |
| CKF30 | A-4 | F |
| CKF31 | A-4 | F |
| CKF32 | A-4 | F |
| CKF33 | A-4 | F |
| CKF34 | A-4 | F |
| CKF35 | A-4 | F |
| CKF36 | A-4 | F |
| CKF37 | A-4 | F |
| CKF38 | A-4 | F |
| CKF40 | A-4 | F |
| CKG1 | D-2 | C |
| CKG2 | D-1 | C |
| CKG5 | D-2 | C |
| CKG6 | D-1 | C |
| CKG9 | D-2 | C |
| CKG13 | C-2 | C |
| CKG18 | C-1 | C |
| CKG19 | C-2 | C |
| CKG21 | C-2 | C |
| CKG22 | C-1 | C |
| CKG23 | C-2 | C |
| CKG25 | C-2 | C |
| CKG26 | C-1 | C |
| CKG27 | C-2 | C |
| CKG29 | C-2 | C |
| CKG30 | C-1 | C |
| CKG31 | C-2 | C |
| CKG33 | C-2 | C |
| CKG34 | C-1 | C |
| CKG35 | C-2 | C |
| CKG37 | C-2 | C |
| CKG38 | C-1 | C |
| CKG39 | C-2 | C |
| CKG41 | C-2 | C |
| CKG42 | B-1 | C |
| CKG45 | B-2 | C |
| CKG47 | B-2 | C |
| CKG48 | B-1 | C |
| CKG50 | B-1 | C |
| CKG52 | B-1 | C |
| CKG58 | B-1 | C |
| CKG62 | B-1 | C |
| CKG65 | B-2 | C |
| CKG66 | B-1 | C |
| CKG68 | B-1 | C |
| CKG69 | B-2 | C |
| CKG70 | B-1 | C |
| CKG72 | A-3 | C |
| CKG74 | B-2 | C |
| CKG75 | B-1 | C |
| CKG78 | A-3 | C |
| CKG79 | C-2 | C |
| CKG82 | A-1 | C |
| CKG83 | B-2 | C |
| CL3401 | C-3 | C |
| CL3402 | C-3 | C |
| CL3403 | D-2 | C |
| CL3404 | D-2 | C |
| CL3405 | D-2 | C |
| CL3406 | D-2 | C |
| CL3407 | D-2 | C |
| CL3410 | C-3 | F |
| CL3411 | C-3 | F |
| CL3412 | C-3 | F |
| CL3413 | C-3 | F |
| CL3414 | C-3 | F |
| CL3415 | C-3 | F |
| CL3416 | C-3 | F |
| CL3417 | C-3 | F |
| CL3418 | C-4 | C |
| CL3419 | C-4 | C |
| CL3420 | C-4 | C |
| CL3421 | C-4 | C |
| CL3422 | D-4 | C |
| CL3423 | D-4 | C |
| CL3424 | D-4 | C |
| CL3425 | C-4 | C |
| CL3426 | C-4 | C |
| CL3427 | C-4 | C |
| CL3428 | C-3 | C |
| CL3429 | C-3 | C |
| CL3431 | B-4 | C |
| CL3433 | B-4 | C |
| CL3434 | C-2 | C |
| CL3435 | B-2 | C |
| CL4401 | A-4 | F |
| CL4402 | A-4 | F |
| CL6001 | B-2 | C |
| CL6002 | A-3 | C |
| CL6003 | B-3 | F |
| CL6004 | B-3 | F |
| CL6005 | B-3 | F |
| CL6006 | B-2 | F |
| CL6007 | C-1 | F |
| CL6008 | B-3 | F |
| CL6009 | B-2 | F |
| CL6010 | C-4 | F |
| CL6011 | B-2 | F |
| CL6012 | B-3 | F |
| CL6013 | B-2 | F |
| CL6014 | C-3 | F |
| CL6015 | B-3 | F |
| CL6016 | C-3 | F |
| CL6017 | B-2 | F |
| CL6020 | B-2 | F |
| CL6021 | C-3 | F |
| CL6022 | C-2 | F |
| CL6023 | B-1 | F |
| CL6701 | B-2 | F |
| CL6702 | B-1 | F |
| CL6703 | A-4 | C |
| CL50001 | B-4 | F |
| CL50002 | C-4 | F |
| CL50003 | C-4 | F |
| CL50004 | D-5 | F |
| CL50005 | C-3 | C |
| CL50006 | C-3 | C |
| CL50007 | C-3 | F |
| CL50008 | C-3 | F |
| CL50009 | C-3 | F |
| TL6001 | C-1 | F |
| TL6002 | A-1 | F |
| TL6003 | A-1 | F |
| TL6004 | D-1 | F |
| TL6005 | C-1 | F |
| TL6006 | C-1 | F |
| **Connector** | | |
| FP3401 | A-3 | F |
| P6002 | C-1 | F |
| P9001 | B-1 | C |
| **Diode** | | |
| D3401 | C-2 | C |
| D3402 | D-3 | C |
| D4401 | A-1 | C |
| **Crystal Osillator** | | |
| X3401 | C-4 | C |
| **Coil** | | |
| LB3404 | A-4 | C |
| LB3405 | B-3 | C |
| LB3408 | C-2 | C |
| LB3409 | B-2 | C |
| LB4401 | A-4 | F |
| LB4402 | A-4 | F |
| LB4403 | A-4 | F |
| LB4404 | A-4 | F |
| LB6001 | C-2 | F |
| LB6002 | B-1 | F |
| LB9001 | C-2 | C |
| LB9002 | C-2 | C |
| LB9006 | B-1 | C |
| LB9007 | B-1 | C |
| LB9008 | B-1 | C |
| LB9009 | A-2 | F |
| LB50001 | C-3 | C |
| LB50002 | B-4 | F |
| LB50003 | C-4 | F |
| LB50004 | C-4 | F |
| LB50005 | D-4 | F |
| **Filter** | | |
| FL3401 | C-2 | C |
| FL3402 | D-2 | C |
| FL3404 | C-2 | C |
| FL3406 | C-3 | C |
| FL3407 | D-2 | C |
| FL3409 | D-2 | C |
| FL3410 | B-4 | C |
| FL3411 | B-3 | C |
| FL3412 | C-4 | C |
| FL3413 | C-3 | C |
| FL3414 | C-3 | C |
| FL3415 | C-2 | F |
| FL3416 | C-3 | C |
| FL3417 | C-3 | C |
| FL3418 | C-2 | F |
| FL3419 | C-2 | F |
| FL3420 | D-3 | C |
| FL3421 | C-2 | F |
| FL3422 | C-2 | F |
| FL3423 | C-2 | F |
| FL3424 | D-3 | C |
| FL3425 | C-2 | F |
| FL3426 | C-2 | F |
| FL6002 | A-3 | F |
| FL6003 | B-3 | F |
| FL6004 | B-3 | F |
| FL6005 | B-3 | F |
| FL6006 | B-2 | F |
| FL6008 | B-3 | F |
| FL6009 | B-2 | F |
| FL6010 | C-4 | F |
| FL6011 | B-2 | F |
| FL6012 | B-3 | F |
| FL6013 | B-2 | F |
| FL6014 | C-3 | F |
| FL6015 | B-3 | F |
| FL6016 | C-3 | F |
| FL6017 | B-2 | F |
| FL6020 | B-2 | F |
| FL6021 | C-3 | F |
| FL6022 | C-2 | F |
| FL6023 | B-1 | F |
| FL6701 | B-2 | F |
| FL6702 | B-1 | F |
| FL6703 | A-4 | C |
| FL50001 | B-4 | F |
| FL50002 | C-4 | F |
| FL50003 | C-4 | F |
| FL50004 | D-5 | F |
| FL50005 | C-3 | C |
| FL50006 | C-3 | C |
| **Capacitor** | | |
| C3401 | B-5 | C |
| C3402 | D-2 | C |
| C3403 | D-2 | C |
| C3404 | C-2 | C |
| C3405 | C-2 | C |
| C3406 | D-2 | C |
| C3407 | B-4 | C |
| C3408 | C-4 | C |
| C3410 | D-2 | C |
| C3411 | A-2 | F |
| C3417 | D-2 | C |
| C3418 | D-2 | C |
| C3419 | C-2 | C |
| C3420 | C-2 | C |
| C3421 | D-1 | C |
| C3422 | C-2 | C |
| C3423 | C-2 | C |
| C3424 | C-2 | C |
| C3425 | C-2 | C |
| C3426 | C-2 | C |
| C3427 | C-2 | C |
| C3428 | C-2 | C |
| C3429 | C-2 | C |
| C3430 | C-2 | C |
| C3431 | D-2 | C |
| C3432 | D-2 | C |
| C3433 | D-3 | C |
| C3435 | D-2 | C |
| C3436 | C-2 | C |
| C3440 | C-4 | C |
| C3441 | C-4 | C |
| C4402 | A-2 | C |
| C4403 | A-4 | F |
| C4404 | A-2 | C |
| C4405 | A-4 | F |
| C4406 | A-4 | F |
| C4407 | B-2 | C |
| C4408 | A-5 | F |
| C4409 | A-4 | F |
| C4410 | A-2 | C |
| C4411 | B-4 | F |
| C4412 | A-2 | C |
| C4415 | A-2 | C |
| C4416 | B-4 | F |
| C4417 | A-4 | F |
| C4418 | B-4 | F |
| C4421 | A-3 | C |
| C4423 | B-4 | F |
| C4424 | A-4 | F |
| C4426 | B-4 | F |
| C6001 | C-3 | C |
| C6002 | A-1 | C |
| C6003 | C-3 | C |
| C9001 | C-2 | C |
| C9002 | C-2 | C |
| C50001 | C-3 | F |
| C50002 | C-3 | C |
| C50004 | C-3 | F |
| C50005 | B-1 | C |
| **Resistor** | | |
| R3405 | C-4 | C |
| R3407 | C-2 | C |
| R3409 | D-2 | C |
| R3410 | D-2 | C |
| R3411 | D-2 | C |
| R3412 | D-3 | C |
| R3414 | B-4 | C |
| R3415 | C-1 | C |
| R3416 | C-3 | C |
| R3417 | C-3 | C |
| R3418 | C-3 | C |
| R3419 | C-4 | C |
| R3420 | C-3 | C |
| R3421 | C-3 | C |
| R3422 | C-4 | C |
| R3423 | C-4 | C |
| R3427 | B-4 | C |
| R3430 | C-3 | C |
| R3440 | D-4 | C |
| R3442 | D-3 | C |
| R3443 | A-4 | C |
| R3444 | D-3 | C |
| R3445 | B-4 | C |
| R3447 | C-4 | C |
| R3448 | C-4 | C |
| R3449 | C-4 | C |
| R3450 | C-4 | C |
| R3451 | B-4 | C |
| R3452 | B-4 | C |
| R3453 | B-4 | C |
| R3454 | B-4 | C |
| R3455 | B-4 | C |
| R3456 | B-4 | C |
| R3457 | B-5 | C |
| R3460 | B-4 | C |
| R3461 | B-4 | C |
| R3462 | B-4 | C |
| R3463 | A-2 | F |
| R3464 | A-2 | F |
| R3465 | A-2 | F |
| R3466 | A-2 | F |
| R3467 | A-2 | F |
| R3468 | A-2 | F |
| R3470 | A-2 | F |
| R3471 | A-2 | F |
| R3472 | D-3 | C |
| R3473 | D-3 | C |
| R3476 | D-3 | C |
| R4402 | A-4 | F |
| R4403 | A-4 | F |
| R4404 | A-4 | F |
| R4405 | A-4 | F |
| R4406 | A-4 | F |
| R4407 | A-5 | F |
| R4409 | A-5 | F |
| R4411 | B-5 | F |
| R4412 | B-5 | F |
| R4414 | A-4 | F |
| R4415 | B-4 | F |
| R4418 | B-4 | F |
| R4419 | B-4 | F |
| R4420 | B-4 | F |
| R4421 | B-4 | F |
| R4422 | B-4 | F |
| R4425 | A-4 | F |
| R4426 | A-4 | F |
| R4427 | A-4 | F |
| R4428 | A-4 | F |
| R6001 | B-2 | F |
| R6002 | C-3 | C |
| R6003 | B-2 | F |
| R6004 | B-2 | C |
| R6005 | B-2 | C |
| R6006 | B-2 | C |
| R6007 | B-2 | C |
| R6008 | B-2 | C |
| R6009 | A-3 | F |
| R6010 | A-3 | F |
| R6013 | B-2 | F |
| R6018 | B-2 | F |
| R6019 | B-2 | F |
| R6020 | C-2 | F |
| R6021 | C-3 | F |
| R6022 | C-2 | F |
| R6023 | C-2 | F |
| R6028 | C-3 | F |
| R6029 | C-3 | F |
| R6030 | C-3 | F |
| R6031 | C-3 | F |
| R6035 | C-3 | F |
| R6036 | C-3 | F |
| R6037 | C-1 | F |
| R6038 | C-3 | F |
| R6040 | C-2 | F |
| R6702 | A-2 | F |
| R6703 | B-2 | F |
| R6704 | A-2 | F |
| R6706 | A-2 | F |
| R6707 | B-2 | F |
| R6709 | A-2 | F |
| R6710 | B-2 | F |
| R6711 | A-2 | F |
| R6712 | B-2 | F |
| R6713 | A-2 | F |
| R6714 | B-2 | F |
| R6715 | B-2 | F |
| R6718 | B-2 | F |
| R6720 | B-2 | F |
| R6721 | A-2 | F |
| R6722 | A-2 | F |
| R6723 | A-2 | F |
| R6724 | A-2 | F |
| R6725 | A-2 | F |
| R6726 | B-2 | F |
| R6727 | A-2 | F |
| R6728 | A-2 | F |
| R6729 | C-2 | C |
| R6730 | C-2 | C |
| R6731 | A-2 | F |
| R6733 | B-2 | C |
| R6735 | B-2 | C |
| R6737 | A-4 | C |
| R6738 | A-4 | C |
| R6739 | A-2 | F |
| R6741 | A-4 | C |
| R6742 | B-2 | F |
| R6743 | B-2 | F |
| R6744 | B-2 | F |
| R6745 | B-2 | F |
| R6746 | D-3 | C |
| R6747 | D-3 | C |
| R6748 | A-2 | F |
| R6749 | A-2 | F |
| R6750 | C-2 | C |
| R6751 | C-2 | C |
| R6752 | B-1 | C |
| R6753 | A-2 | F |
| R6754 | A-2 | F |
| R6755 | A-2 | F |
| R6756 | A-2 | F |
| R50001 | B-3 | F |
| R50002 | B-3 | F |
| R50003 | B-3 | F |
| R50004 | C-3 | F |
| R50005 | C-3 | F |
| R50006 | C-3 | F |
| R50007 | C-3 | F |
| R50008 | C-3 | F |
| R50009 | C-3 | F |
| R50010 | C-3 | F |
| R50011 | C-3 | F |
| R50012 | C-2 | F |
| R50013 | C-2 | F |
| R50015 | C-3 | F |
| R50017 | C-3 | F |
| R50018 | C-1 | C |
| R50019 | C-1 | C |
| R50020 | C-1 | C |
| R50021 | C-1 | C |
| R50022 | C-1 | C |
| R50023 | C-1 | C |
| R50024 | C-1 | C |
| R50025 | C-1 | C |
| R50026 | C-1 | C |
| R50027 | C-1 | C |
| R50028 | C-1 | C |
| R50029 | C-1 | C |
| R50030 | C-1 | C |
| R50031 | D-1 | C |
| R50032 | C-1 | C |
| R50033 | C-1 | C |
| R50034 | C-1 | C |
| R50035 | C-1 | C |
| RX3401 | D-3 | C |
| RX3402 | D-3 | C |
| RX3403 | C-3 | C |
| RX3404 | B-4 | C |
| RX3405 | B-4 | C |
| RX3406 | B-3 | C |
| RX3407 | B-3 | C |
| RX3408 | D-4 | C |
| RX3409 | D-3 | C |
| RX3410 | C-4 | C |
| RX3411 | D-4 | C |
| RX3412 | C-4 | C |
| RX3413 | C-4 | C |
| RX3414 | C-4 | C |
| RX3415 | C-3 | C |
| RX3416 | C-3 | C |
| RX3419 | A-3 | F |
| RX3420 | A-3 | F |
| RX3421 | D-4 | C |
| RX3422 | D-4 | C |
| RX3423 | A-4 | F |
| RX3424 | A-3 | F |
| RX3425 | A-3 | F |
| RX3426 | A-3 | F |
| RX3427 | A-3 | F |
| RX3428 | A-3 | F |
| RX3429 | A-4 | F |
| RX3430 | A-3 | F |
| RX3431 | A-3 | F |
| RX3432 | A-3 | F |
| RX3433 | C-2 | C |
| RX3434 | B-2 | C |
| RX3435 | C-3 | C |
| RX3436 | C-3 | C |
| RX3437 | B-2 | C |
| RX3438 | B-2 | C |
| RX3439 | C-3 | C |
| RX3440 | B-3 | C |
| RX3441 | D-3 | C |
| RX3442 | D-3 | C |
| RX3443 | B-3 | C |
| RX3444 | B-3 | C |
| RX6001 | B-2 | F |
| RX6005 | A-3 | F |
| RX6006 | B-4 | F |
| RX6009 | B-3 | F |
| RX6010 | B-3 | F |
| RX6011 | B-3 | F |
| RX6012 | B-3 | F |
| RX6013 | B-3 | F |
| RX6014 | A-4 | F |
| RX6015 | B-3 | F |
| RX6016 | A-3 | F |
| RX6017 | A-3 | F |
| RX6018 | A-3 | F |
| RX6019 | B-3 | F |
| RX6020 | B-3 | F |
| RX6021 | A-3 | F |
| RX6022 | A-3 | F |
| RX6023 | B-3 | F |
| RX6024 | B-3 | F |
| RX6025 | A-3 | F |
| RX6026 | B-3 | F |
| RX6027 | B-2 | F |
| RX6028 | C-2 | F |
| RX6029 | B-2 | F |
| RX6030 | C-2 | F |
| RX6031 | C-2 | F |
| RX6032 | C-2 | F |
| RX6033 | C-2 | F |
| RX6034 | C-2 | F |
| RX6035 | C-3 | F |
| RX6036 | C-3 | F |
| RX6037 | C-3 | F |
| RX6038 | B-3 | F |
| RX6039 | C-2 | F |
| RX6040 | C-2 | F |
| RX6041 | C-1 | F |
| RX6042 | C-1 | F |
| RX6043 | C-3 | F |
| RX6044 | C-3 | F |
| RX6706 | B-2 | F |
| RX6708 | B-2 | F |
| RX6711 | B-2 | F |
| RX6712 | B-2 | F |
| RX6716 | B-1 | F |
| RX6717 | A-1 | F |
| RX6718 | A-1 | F |
| RX6719 | B-1 | F |
| RX6720 | A-1 | F |
| RX6721 | A-1 | F |
| RX6724 | B-2 | F |
| RX6726 | A-1 | F |
| RX6727 | A-1 | F |
| RX6728 | B-1 | F |
| RX6731 | A-2 | F |
| RX6732 | A-2 | F |
| RX6733 | A-2 | F |
| RX6734 | A-1 | F |
| RX6735 | A-2 | F |
| RX6736 | B-2 | C |
| RX6737 | C-2 | C |
| RX6738 | B-1 | F |
| RX50001 | B-4 | F |
| RX50002 | B-4 | F |
| RX50003 | C-4 | F |
| RX50004 | C-4 | F |
| RX50005 | C-5 | F |
| RX50006 | C-4 | F |
| RX50007 | D-4 | F |
| RX50008 | D-4 | F |
| RX50009 | B-3 | F |
| RX50010 | B-3 | F |
| RX50011 | B-3 | F |
| RX50012 | C-3 | F |
| RX50013 | C-3 | F |
| RX50014 | C-3 | F |
| RX50015 | C-3 | F |
| RX50016 | C-3 | F |

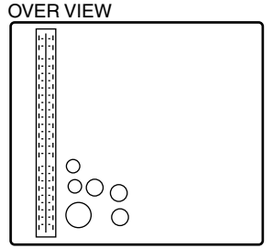
ADDRESS INFORMATION
C.....COMPONENT SIDE
F.....FOIL SIDE

## Digital P.C.B.



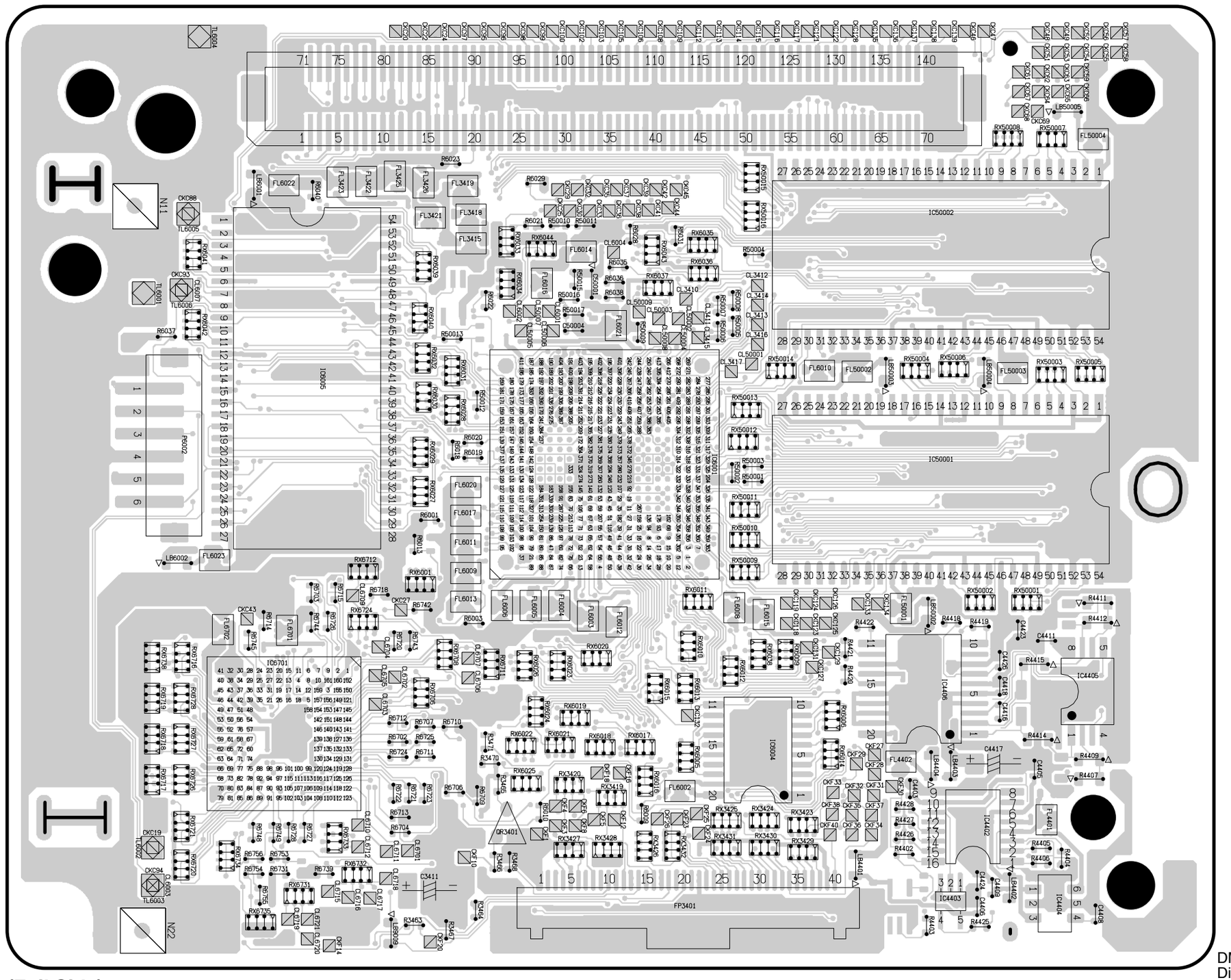
(Component Side)

OVER VIEW

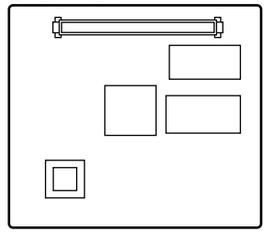


DMR-E75VEB/EG
Digital P.C.B. (Component side)
RFKBE75VEB: E75VEB
REP3717H: E75VEG

## Digital P.C.B.



OVER VIEW



(Foil Side)

DMR-E75VEB/EG
Digital P.C.B. (Foil side)
RFKBE75VEB: E75VEB
REP3717H: E75VEG

D
C
B
A

1 2 3 4 5

FROM POWER SUPPLY SECTION

X SW +13V

X SW +5.8V

POWER ON Ⓗ
IC37501- 88

IP31400

IP31401

QR31301
DRIVE
(P.Ⓛ OUT)

QR31300
(POWER ON/OFF SWITCH)

IC31400
(POWER CONTROL)
FET DRIVE 7
V IN 1
V OUT 8
P Ⓛ:ON 2

IC31401
(REG.D +3.3V)
V IN 1
V OUT 8
P Ⓛ:ON 2

Q31401
(FET DRIVE)
G 3
S 4
D 1,2,5,6

IC31509
(REG.D +1.2V)
V IN 1
V OUT 3
VB 2

IC31510
(REG.D +1.5V)
V IN 7
V IN 8
V OUT 1
VCC 3
VCC 4

IC31505
(REG.+5.2V)
CONT 5
V IN 8
V OUT 1

IC31506
(REG.ANA +5V)
V IN 1
V OUT 3
P Ⓗ:ON 2

IC31507
(REG.D +5V)
V IN 8
V OUT 1
P Ⓗ:ON 5

IC31508
(REG.ANA +3.3V)
V IN 1
V OUT 3
P Ⓗ:ON 2

D +1.2V

| P39702 | P9001 |
|---|---|
| 88 | 88 |
| 86 | 86 |
| 82 | 82 |

D +1.5V

| P39702 | P9001 |
|---|---|
| 84 | 84 |
| 80 | 80 |
| 78 | 78 |

D +3.3V

TO IC37505- 2

| P39702 | P9001 |
|---|---|
| 76 | 76 |
| 74 | 74 |

X SW +5.8V

| P31901 | P6001 |
|---|---|
| 1,2 | 1,2 |

X SW +5.8V

| P39702 | P9001 |
|---|---|
| 87 | 87 |
| 85 | 85 |
| 81 | 81 |

REG.+5.2V

| P31905 | P6005 |
|---|---|
| 1 | 1 |
| 7 | 7 |

TO IC37501- 105 ,IC37503- 2

AD +5V

| PP31903 | PP7502 |
|---|---|
| 1 | 1 |

| P31901 | P6001 |
|---|---|
| 6 | 6 |

ANA +5V

| P39702 | P9001 |
|---|---|
| 79 | 79 |

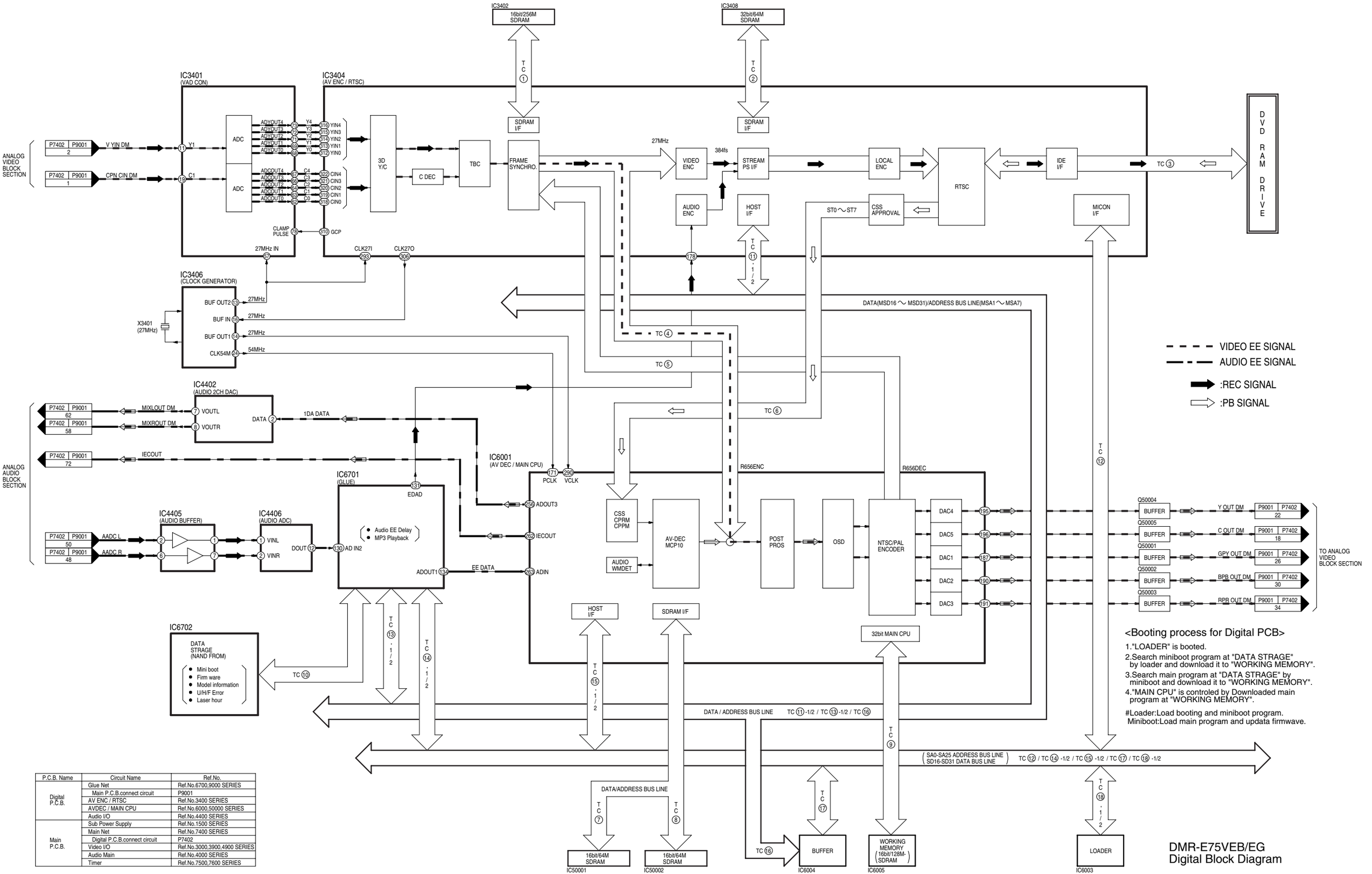
D +5V

| P39702 | P9001 |
|---|---|
| 83 | 83 |

ANA +3.3V

| P39702 | P9001 |
|---|---|
| 75 | 75 |

DMR-E75VEB/EG
Digital I/F Regulator
Block Diagram




| P.C.B. Name | Circuit Name | Ref.No. |
|---|---|---|
| Digital P.C.B. | Glue Net | Ref.No.6700,9000 SERIES |
| | Main P.C.B.connect circuit | P9001 |
| | AV ENC / RTSC | Ref.No.3400 SERIES |
| | AVDEC / MAIN CPU | Ref.No.6000,50000 SERIES |
| | Audio I/O | Ref.No.4400 SERIES |
| Main P.C.B. | Sub Power Supply | Ref.No.1500 SERIES |
| | Main Net | Ref.No.7400 SERIES |
| | Digital P.C.B.connect circuit | P7402 |
| | Video I/O | Ref.No.3000,3900,4900 SERIES |
| | Audio Main | Ref.No.4000 SERIES |
| | Timer | Ref.No.7500,7600 SERIES |

<Booting process for Digital PCB>

1."LOADER" is booted.
2.Search miniboot program at "DATA STRAGE" by loader and download it to "WORKING MEMORY".
3.Search main program at "DATA STRAGE" by miniboot and download it to "WORKING MEMORY".
4."MAIN CPU" is controled by Downloaded main program at "WORKING MEMORY".

#Loader:Load booting and miniboot program.
Miniboot:Load main program and updata firmwave.

DMR-E75VEB/EG
Digital Block Diagram

IC3401
AN13310B-VB
(VAD CONTROLLER)

IC3409
C0DBZGC00066
(REG.D+3.3V)

IC3406
C1DB00001110
(CLOCK GENERATOR)

IC3402
C3ABRG000036
(16bit/256M SDRAM)

GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)

DMR-E75VEB/EG AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)

IC3404
MN85573
(AV ENC/RTSC)


DMR-E75VEB/EG AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)

GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H )
AI:Audio I/O Section(Page: I )

IC3408
C3ABPJ000048
(32bit/64M SDRAM)

QR3401
UNR521L00L
(SWITCH)

FP601
DRIVE P.C.B.
DVD RAM DRIVE UNIT
FP3401

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)

DMR-E75VEB/EG AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)

TIMER DISPLAY
DP7501
A2BB00000133

R7510
5.6

IC7502
C0HBB0000033
(FIP DRIVE)

LB7502
0

R7505
27K

C7525
100P

C7501
0.1

C7502
6V47

LB7501
0

TO PP31904
POWER AND DIGITAL I/F P.C.B.
(DIGITAL I/F SECTION)
PP7501

DVD KEY IN1
DVD KEY IN2
DVD KEY IN3
DUB LED (H)
T WARP LED (H)

S7501
EVQ11G04M
OPEN/CLOSE

R7504
1200

R7501
1200

R7502
1500

S7502
EVQ11G07K
TO DVD

S7503
EVQ11G07K
TO VHS

S7504
EVQ11G07K
REC

S7505
EVQ11G07K
CHUP

S7506
EVQ11G07K
CHDN

R7506
2200

R7507
3300

S7507
EVQ11G07K
PLAY

S7508
EVQ11G07K
STOP

R7539
220

D7507
B3AAA0000540
DUB

QR7510
UNR521100L
(DUB LED DRIVE)

R7508
220

D7501
B3ABA0000402
T WARP

QR7501
UNR521100L
(T WARP LED DRIVE)

TO P6601
MAIN P.C.B.
(SYSCON/TIMER SECTION)
PP7503

GND
GND
VP
F+
F-

L7501
22u

C7505
1

Q7501
2SD1819A0L
(FIP DRIVE)

R7512
10K

R7513
68K

TO PP31903
POWER AND DIGITAL I/F P.C.B.
(DIGITAL I/F SECTION)
PP7502

GND
FL RST
FL CS
GND
GND
AD 5V

R7514
0

R7515
100

R7526
100

R7527
100

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
FL Drive
Schematic Diagram

VIDEO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN REC MODE

IC7801
PNA4618M12VT
(REMOTE CTL.RECEIVER)

R7801
220

C7801
0.1

TO PS33001
MAIN P.C.B.
(SYSCON/SERVO/TIMER SECTION)
PP4801

| | |
|---|---|
| GND | 1 |
| AV3 Y IN | 2 |
| GND | 3 |
| AV3 C IN | 4 |
| AUDIO AV3 IN R | 5 |
| AV3 SW IN Ⓛ | 6 |
| AUDIO AV3 IN L | 7 |
| VTR KEY 2 | 8 |
| VIDEO AV3 IN | 9 |
| IR | 10 |
| VTR KEY 1 | 11 |
| 5V(AD) | 12 |

R7802 1800 — S7806 EVQ11G07K [POWER]
R7803 3300 — S7805 EVQ11G07K [FF]
R7804 4700 — S7803 EVQ11G07K [SKIP-R]
R7806 6800 — S7802 EVQ11G07K [STOP]
S7801 EVQ11G07K [CH UP]

R7807 1800 — S7813 EVQ11G07K [EJECT]
R7808 3300 — S7812 EVQ11G07K [REW]
R7809 4700 — S7810 EVQ11G07K [SKIP-F]
R7810 6800 — S7809 EVQ11G07K [CH DN]
R7812 12K — S7808 EVQ11G07K [PLAY]
S7807 EVQ11G07K [REC]

AV3
JK4802
K2HZ107A0001
FRONT S-VHS JACK

C
Y

LB4801
0

LB4803
0

R4804
1K

R4801 75

R4802 75

C4801 0.01

C4802 0.1

R4803
75

AUDIO IN
VIDEO IN
L ch/ MONO
R ch

JK4801
K2HA307A0003
FRONT A/V JACK
AV3

LB4802
0

R4806
470

R4805 470

C4804
100P

C4803
100P

C4805
1000P

C4806
1000P

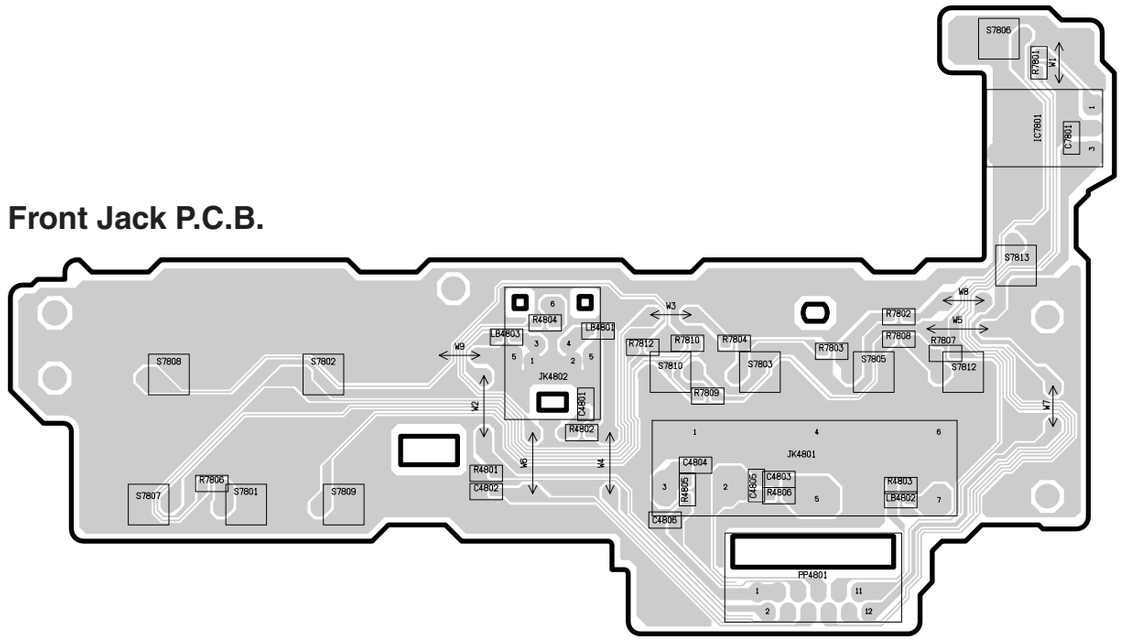
NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERRING.THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Front Jack
Schematic Diagram

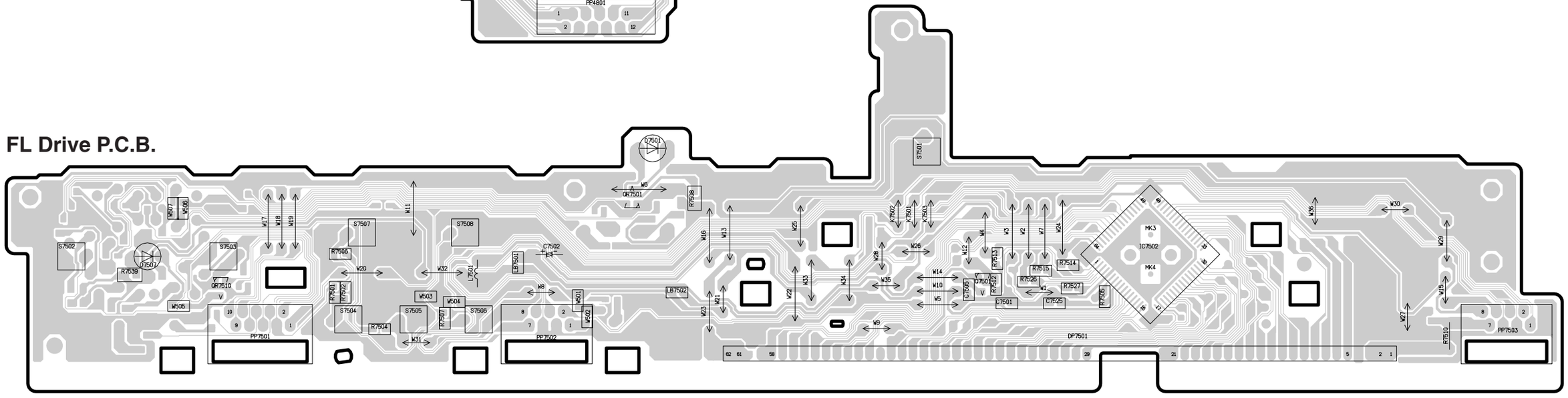
| Ref No. / MODE | IC7801 | | |
|---|---|---|---|
| | 1 | 2 | 3 |
| STOP | 4.8 | 0 | 4.8 |

| Ref No. | IC7502 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| STOP | 4.8 | 0.8 | 4.2 | 3.8 | 0 | 2.2 | 2.2 | 5.1 | -23.3 | -20.3 | -23.2 | -26.1 | -26.3 | -29.3 | -20.0 | -26.1 | -29.3 | 5.1 | -23.1 | -26.2 |
| Ref No. | IC7502 | | | | | | | | | | | | | | | | | | | |
| MODE | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| STOP | -23.2 | -29.3 | -26.2 | -19.9 | -23.1 | -22.8 | -23.0 | -17.2 | -29.2 | -20.2 | -20.2 | -20.0 | -20.1 | -22.9 | -20.1 | -29.3 | -29.2 | -29.3 | -29.3 | -23.2 |
| Ref No. | IC7502 | | | | | | | | | | | | | | | | | | | |
| MODE | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| STOP | -29.3 | -22.9 | -26.1 | -23.2 | -29.3 | -29.3 | -29.3 | -29.3 | -29.3 | -29.3 | -29.3 | -29.3 | -29.3 | -26.3 | -26.3 | -26.3 | -26.3 | -26.3 | -26.5 | -26.3 |
| Ref No. | IC7502 | | | | | | | | | | | | | | | | | | | |
| MODE | 61 | 62 | 63 | 64 | | | | | | | | | | | | | | | | |
| STOP | -26.3 | -26.3 | -26.3 | -29.7 | | | | | | | | | | | | | | | | |
| Ref No. | Q7501 | | | | QR7501 | | | | QR7510 | | | | | | | | | | | |
| MODE | E | C | B | | E | C | B | | E | C | B | | | | | | | | | |
| STOP | -26.5 | 5.1 | -26.5 | | 0 | 3.7 | 0 | | 0 | 3.8 | 0 | | | | | | | | | |

## Front Jack P.C.B.




## FL Drive P.C.B.




DMR-E75VEB/EG
Front Jack P.C.B. (VEP04868C)
FL Drive P.C.B. (VEP07A74C)

GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)

TO P39702
POWER & DIGITAL I/F P.C.B.
(DIGITAL I/F SECTION)
P9001

D1.2V 88
X SW 5.8V 87
D1.2V 86
X SW 5.8V 85
D1.5V 84
D5V 83
D1.2V 82
X SW 5.8V 81
D1.5V 80
ANA5V 79
D1.5V 78
GND 77
D3.3V 76
ANA3.3V 75
D3.3V 74
73
IECOUT 72
71
XDMUTE 70
UARTG2P 69
AU5V 68
DGND 67
66
UARTP2G 65
AUGND 64
DGND 63
MIXLOUT DM 62
DGND 61
AUGND 60
DGND 59
MIXROUT DM 58
DGND 57
AUGND 56
55
AUGND 54
53
AUGND 52
51
AADC L 50
49
AADC R 48
47
DGND 46
45
DGND 44
43
42
41
DGND 40
SBMTM 39
CSYNC IN 38
SBMTP 37
DGND 36
XMPREQ 35
RPROUT DM 34
SCLK 33
DGND 32
31
BPBOUT DM 30
XINTP 29
DGND 28
XINTM 27
GPYOUT DM 26
25
DGND 24
23
YOUT DM 22
21
DGND 20
19
COUT DM 18
17
DGND 16
15
DGND 14
R/CR IN 13
DGND 12
DGND 11
10
B/CB IN 9
DGND 8
DGND 7
RGB CPSVIN 6
G/CY IN 5
DGND 4
DGND 3
V YIN DM 2
CPNCIN DM 1

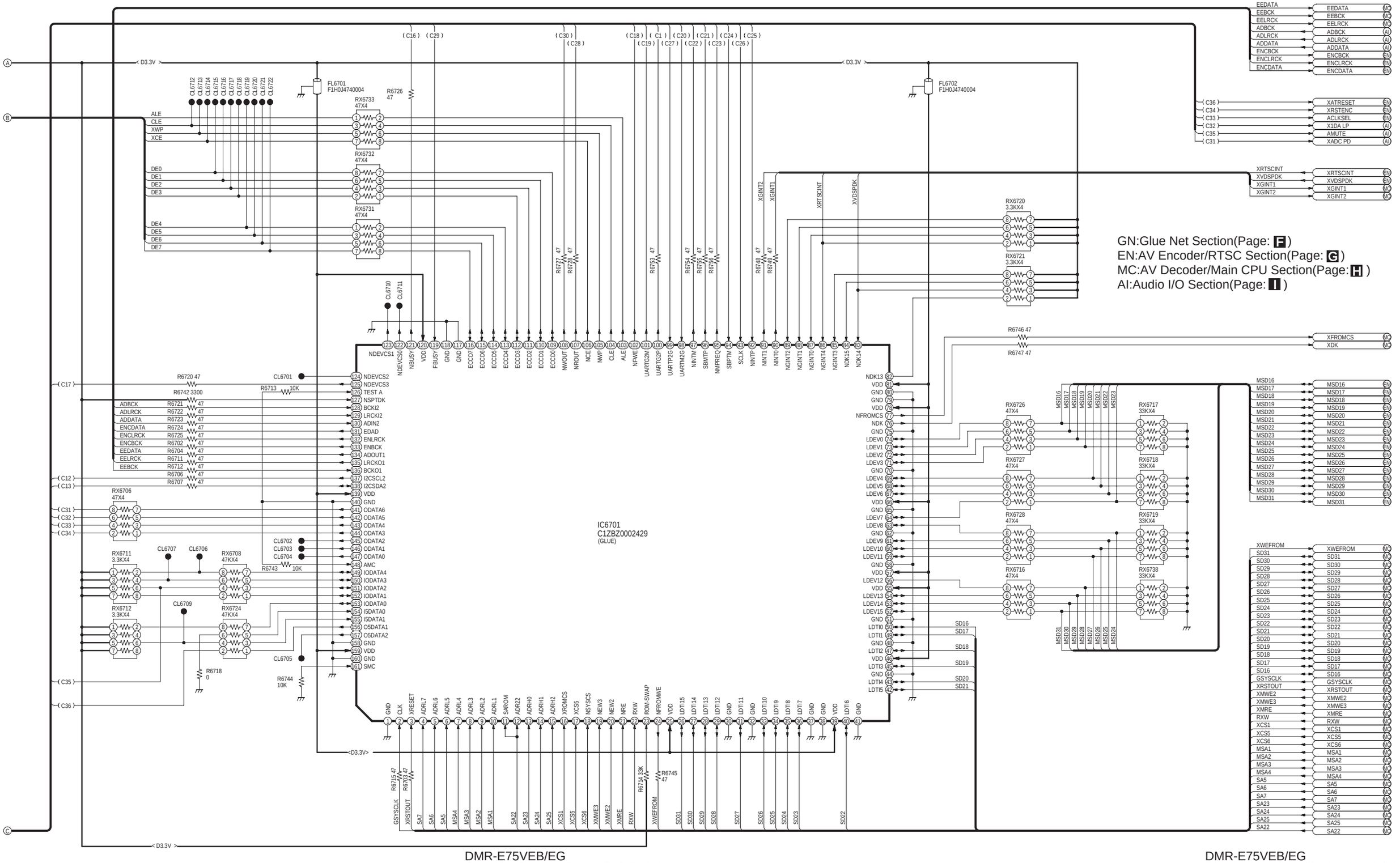
CKG82 CKG78 CKG74 CKG83
CKG79 CKG75
R6731 2200
CKG58 CKG62 CKG65 CKG68 CKG69 CKG70 CKG72
CKG52
CKG26 CKG27 CKG29 CKG30 CKG31 CKG33 CKG34 CKG35 CKG37 CKG39 CKG41 CKG42 CKG45 CKG47 CKG48 CKG50
R6750 47
LB9002 J0JHC0000032
LB9001 J0JHC0000032
C9002 47P
C9001 47P
CKG1 CKG2 CKG5 CKG6 CKG9 CKG13 CKG18 CKG19 CKG21 CKG22

D1.2V (MC) DGND (AI EN MC)
D3.3V
D5V (EN)
ANA5V (EN) D1.5V (EN)
D3.3V (AI EN MC) ANA3.3V (EN MC)
LB9009 J0JHC0000046
IECOUT (MC)
XDMUTE (AI)
C1 LB9008 J0JHC0000045
AU5V (AI)
C2
LB9007 J0JCC0000103
MIXLOUT DM (AI)
LB9006 J0JCC0000103
MIXROUT DM (AI)
AUGND (AI)
AADC L (AI)
AADC R (AI) ITA2M (MC)
ITM2A (MC)
R6752 100
R6751 47
PRGSEL (MC) EPG ON (H) (MC)
C3 CSYNC IN (EN)
C4 RPROUT DM (MC)
C5
C6 BPBOUT DM (MC)
C7
C8 GPYOUT DM (MC)
C9
C12 YOUT DM (MC)
C13 COUT DM (MC)
BSON (MC)
R CR IN (EN)
B CB IN (EN)
RGB CPSVIN (EN) G/CY IN (EN)
V YIN DM (EN) CPNCIN DM (EN)
MC UARTG2M C14
MC UARTM2G C15
MC XIRQ0 C16
EN XVDSPCS C17

D3.3V
FL6703 F1H0J4740004
R6739 1K
XCE
DE7 DE6 DE5 DE4
R6737 47
C28
C29
VCC XCE XRE RXB XSE NC NC NC NC NC NC NC NC NC NC NC NC D7 D6 D5 D4 VCC
VSS CLE ALE XWE XWP NC NC NC NC NC NC NC NC NC NC NC NC D0 D1 D2 D3 VSS
IC6702
RFKBE75VEB: E75VEB
REP3717H: E75VEG
(DATA STRAGE)
R6741 10K
CLE ALE XWP
DE0 DE1 DE2 DE3
R6738 47
C30

<D5V>
R6709 3300
R6710 3300
R6729 100K
R6730 10K
Q6701 B1ABCF000114 (BUFFER)
RX6734 47X4
RX6735 2.2KX4
RX6736 10KX4
R6733 10K
R6735 4700
RX6737 4.7KX4
Q6705 B1ABCF000114 (BUFFER)
Q6704 B1ABCF000114 (BUFFER)
Q6703 B1ABCF000114 (BUFFER)
Q6702 B1ABCF000114 (BUFFER)
C18 C15 C14 C19 C20 C7 C4 C5 C9 C21 C22 C23 C24 C25 C26 C27 C2 C3 C8 C6

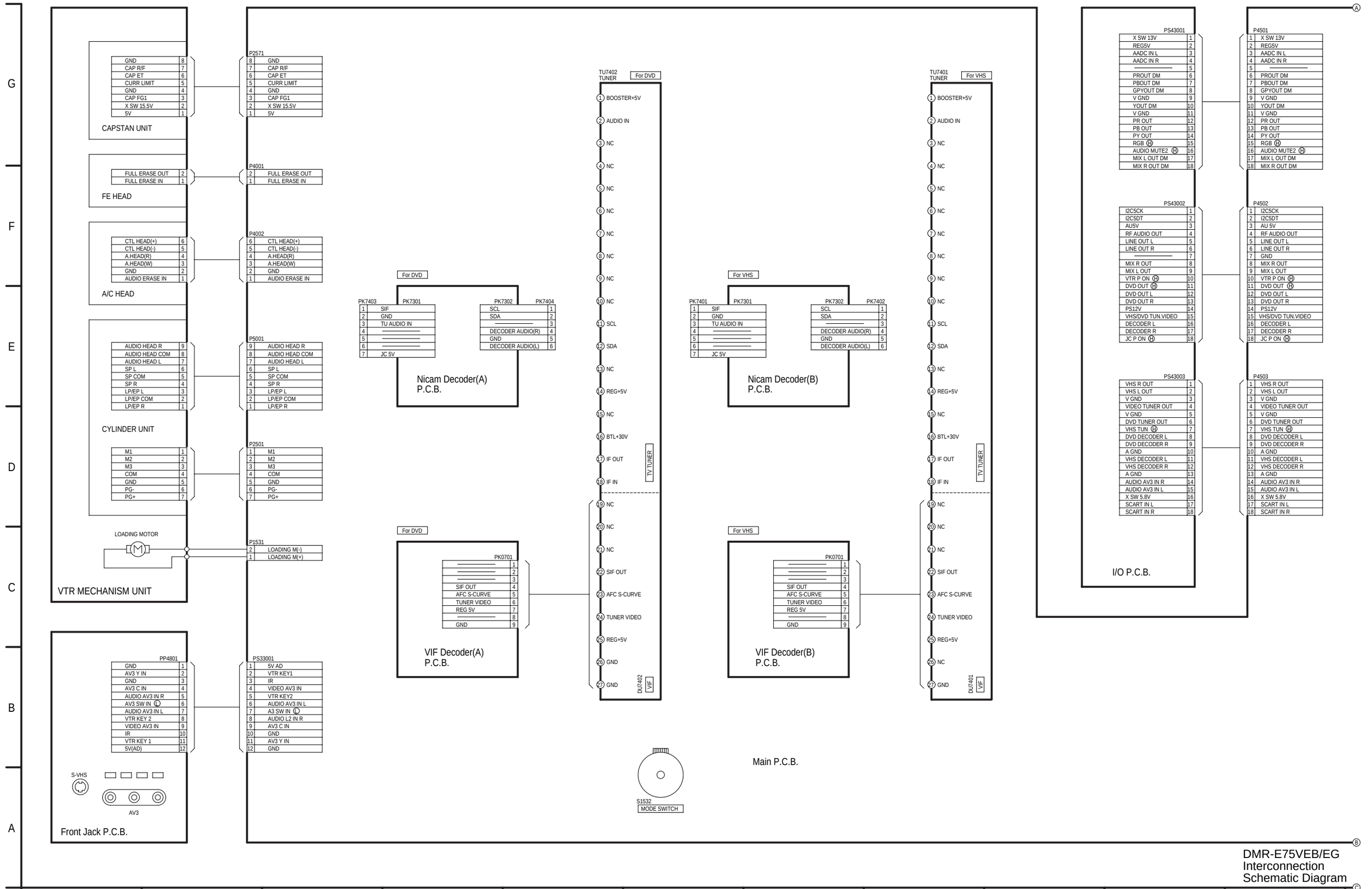
DMR-E75VEB/EG
Glue Net Section (Digital P.C.B.(1/4))
Schematic Diagram (GN)



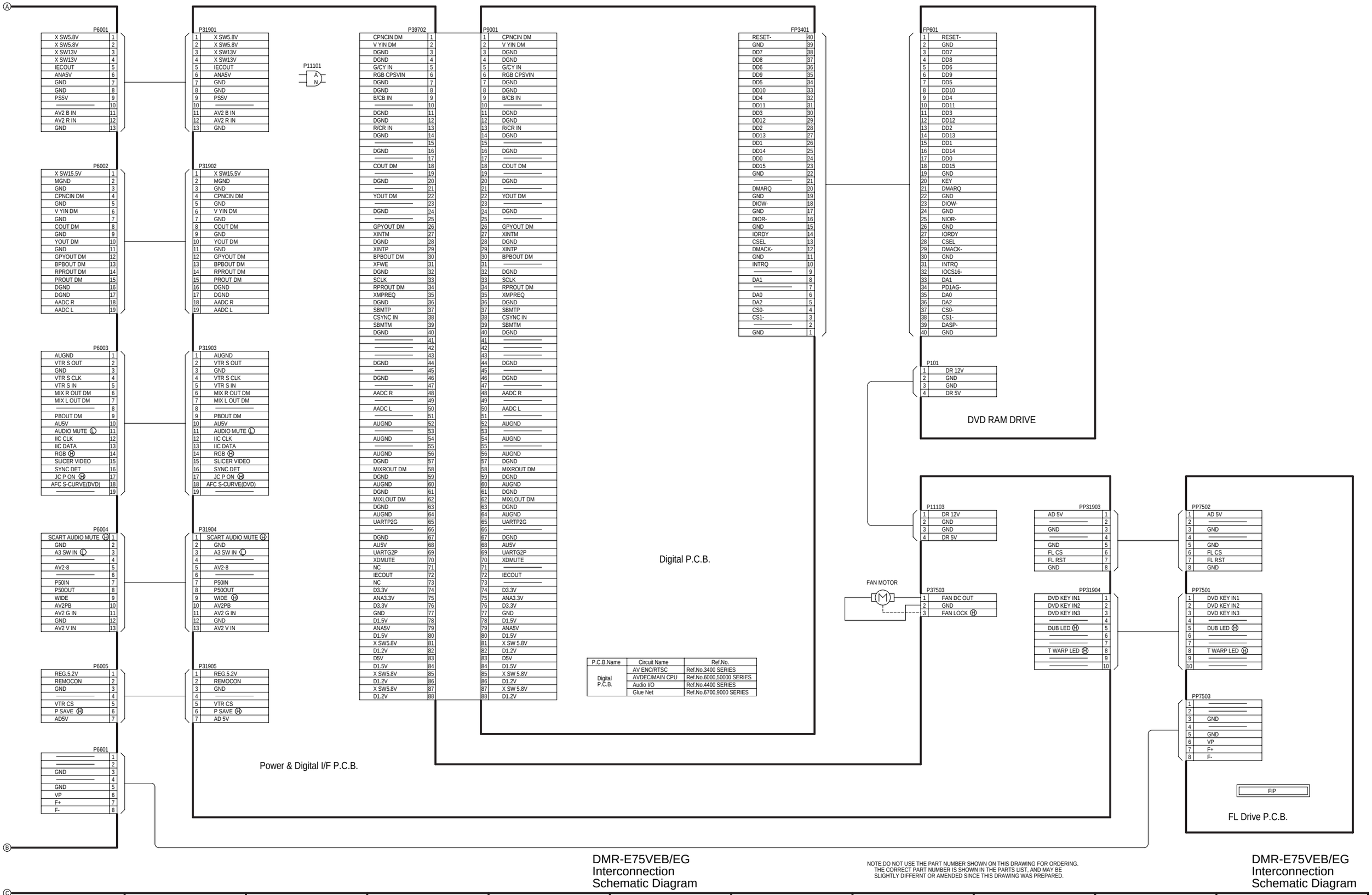

DMR-E75VEB/EG
Glue Net Section (Digital P.C.B.(1/4))
Schematic Diagram (GN)

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Glue Net Section (Digital P.C.B.(1/4))
Schematic Diagram (GN)




DMR-E75VEB/EG
Interconnection
Schematic Diagram



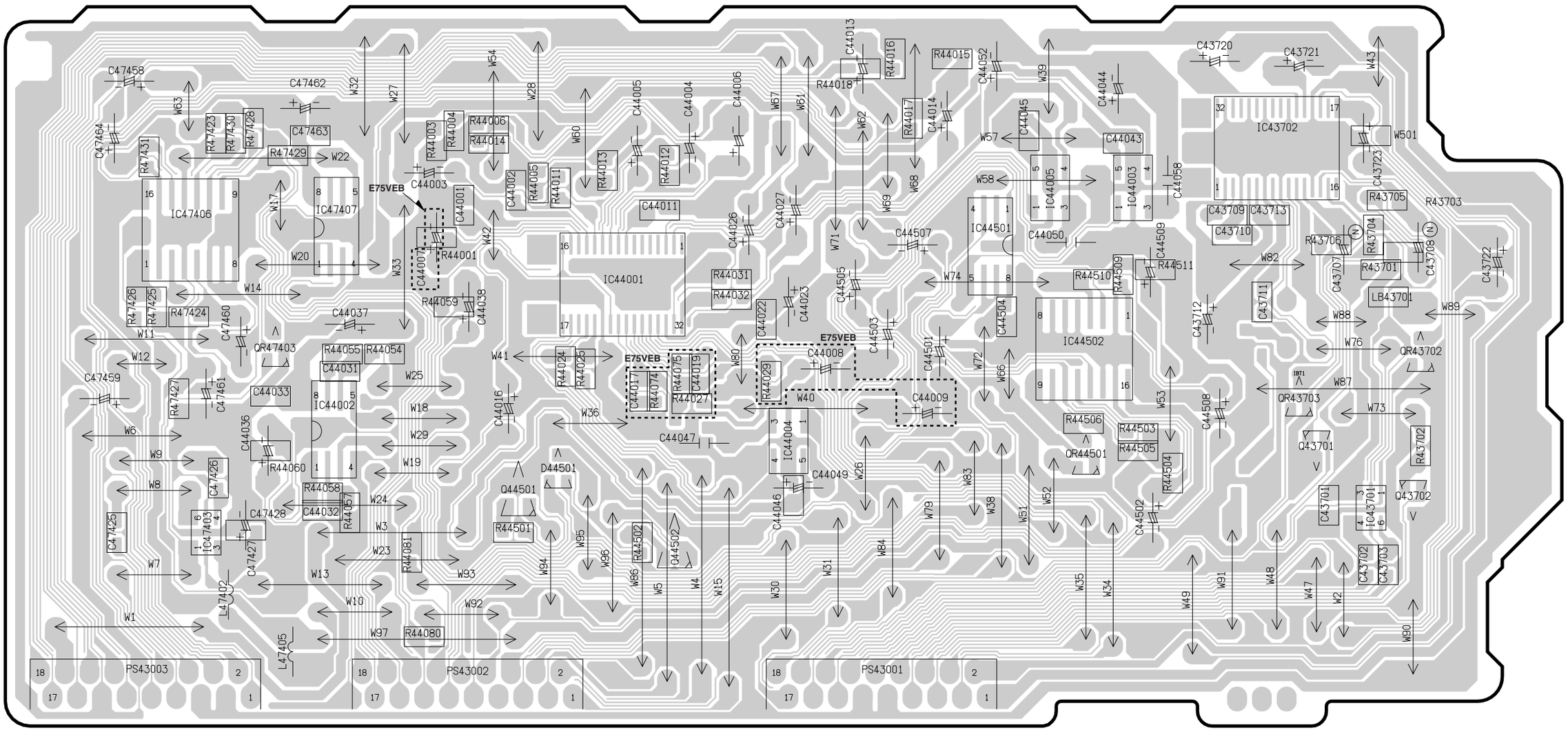

DMR-E75VEB/EG
Interconnection
Schematic Diagram

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE
SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Interconnection
Schematic Diagram

| I/O P.C.B. | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Integrated Circuit** | | **Transistor-resistor** | | C43703 | B-8 | C44007 | C-3 | C44038 | C-3 | C47425 | B-1 | R44001 | C-3 | R44032 | C-5 | R44510 | C-7 |
| IC43701 | B-8 | QR43702 | C-8 | C43707 | C-8 | C44008 | C-5 | C44043 | D-7 | C47426 | B-2 | R44003 | D-3 | R44054 | C-3 | R44511 | C-7 |
| IC43702 | D-8 | QR43703 | C-8 | C43708 | C-8 | C44009 | C-6 | C44044 | D-7 | C47427 | B-2 | R44004 | D-3 | R44055 | C-3 | R47423 | D-2 |
| IC44001 | C-4 | QR44501 | B-7 | C43709 | D-7 | C44011 | D-4 | C44045 | D-6 | C47428 | B-2 | R44005 | D-4 | R44057 | B-3 | R47424 | C-2 |
| IC44002 | B-3 | QR47403 | C-2 | C43710 | C-7 | C44013 | D-5 | C44046 | B-5 | C47458 | D-2 | R44006 | D-3 | R44058 | B-3 | R47425 | C-2 |
| IC44003 | D-7 | **Connector** | | C43711 | C-7 | C44014 | D-6 | C44047 | B-5 | C47459 | C-1 | R44011 | D-4 | R44059 | C-3 | R47426 | C-2 |
| IC44004 | B-5 | PS43001 | A-5 | C43712 | C-7 | C44016 | C-4 | C44049 | B-5 | C47460 | C-2 | R44012 | D-4 | R44060 | B-2 | R47427 | C-2 |
| IC44005 | D-6 | PS43002 | A-3 | C43713 | D-8 | C44017 | C-4 | C44050 | C-6 | C47461 | C-2 | R44013 | D-4 | R44074 | C-4 | R47428 | D-2 |
| IC44501 | C-6 | PS43003 | A-2 | C43720 | D-7 | C44019 | C-5 | C44052 | D-6 | C47462 | D-2 | R44014 | D-3 | R44075 | C-4 | R47429 | D-2 |
| IC44502 | C-7 | **Diode** | | C43721 | D-8 | C44022 | C-5 | C44058 | D-7 | C47463 | D-2 | R44015 | D-6 | R44080 | A-3 | R47430 | D-2 |
| IC47403 | B-2 | D44501 | B-4 | C43722 | C-9 | C44023 | C-5 | C44501 | C-6 | C47464 | D-1 | R44016 | D-6 | R44081 | B-3 | R47431 | D-2 |
| IC47406 | C-2 | **Coil** | | C43723 | D-8 | C44026 | C-5 | C44502 | B-7 | **Resistor** | | R44017 | D-6 | R44501 | B-4 | | |
| IC47407 | C-3 | L47402 | B-2 | C44001 | D-3 | C44027 | D-5 | C44503 | C-5 | R43701 | C-8 | R44018 | D-5 | R44502 | B-4 | | |
| **Transistor** | | L47405 | A-2 | C44002 | D-4 | C44031 | C-3 | C44504 | C-6 | R43702 | B-8 | R44024 | C-4 | R44503 | B-7 | | |
| Q43701 | B-8 | LB43701 | C-8 | C44003 | D-3 | C44032 | B-3 | C44505 | C-5 | R43703 | C-8 | R44025 | C-4 | R44504 | B-7 | | |
| Q43702 | B-8 | **Capacitor** | | C44004 | D-4 | C44033 | C-2 | C44507 | C-6 | R43704 | C-8 | R44027 | C-4 | R44505 | B-7 | | |
| Q44501 | B-4 | C43701 | B-8 | C44005 | D-4 | C44036 | B-2 | C44508 | C-7 | R43705 | D-8 | R44029 | C-5 | R44506 | B-7 | | |
| Q44502 | B-4 | C43702 | B-8 | C44006 | D-5 | C44037 | C-3 | C44509 | C-7 | R43706 | C-8 | R44031 | C-5 | R44509 | C-7 | | |

## I/O P.C.B.




DMR-E75VEB/EG
I/O P.C.B.
(VEP03G68B : E75VEB)
(VEP03G68A : E75VEG)

| Ref No. | IC43701 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | | | | | | | | | | | | | | |
| REC | 0 | 1.7 | 4.9 | 2.4 | 0 | 2.4 | | | | | | | | | | | | | | |
| PLAY | 0 | 1.7 | 4.9 | 2.4 | 0 | 2.4 | | | | | | | | | | | | | | |
| STOP | 0 | 1.7 | 4.9 | 2.4 | 0 | 2.4 | | | | | | | | | | | | | | |

| Ref No. | IC43702 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| REC | 2.1 | 4.9 | 2.7 | 0 | 2.2 | 4.9 | 0 | 2.6 | 0 | 2.0 | 4.9 | 2.8 | 0 | 2.8 | 4.9 | 2.2 | 2.3 | 0 | 2.3 | 0 |
| PLAY | 2.1 | 4.9 | 2.7 | 0 | 2.2 | 4.9 | 0 | 2.6 | 0 | 2.0 | 4.9 | 2.8 | 0 | 2.8 | 4.9 | 2.2 | 2.3 | 0 | 2.3 | 0 |
| STOP | 2.1 | 4.9 | 2.7 | 0 | 2.2 | 4.9 | 0 | 2.6 | 0 | 2.0 | 4.9 | 2.8 | 0 | 2.8 | 4.9 | 2.2 | 2.3 | 0 | 2.3 | 0 |

| Ref No. | IC43702 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| REC | 2.3 | 2.3 | 0 | 1.3 | 1.2 | 0 | 1.6 | 0 | 1.3 | 1.2 | 0 | 2.3 |
| PLAY | 2.3 | 2.3 | 0 | 1.3 | 1.2 | 0 | 1.6 | 0 | 1.3 | 1.2 | 0 | 2.3 |
| STOP | 2.3 | 2.3 | 0 | 1.3 | 1.2 | 0 | 1.6 | 0 | 1.3 | 1.2 | 0 | 2.3 |

| Ref No. | IC44001 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| REC | 0 | 4.4 | 4.4 | 0 | 0 | 4.5 | 4.5 | 3.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 0 | 4.5 | 0 | 8.0 | 0 | 4.6 |
| PLAY | 0 | 4.4 | 4.4 | 0 | 0 | 4.5 | 4.5 | 3.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 0 | 4.5 | 0 | 8.0 | 0 | 4.6 |
| STOP | 0 | 4.4 | 4.4 | 0 | 0 | 4.5 | 4.5 | 3.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 0 | 4.5 | 0 | 8.0 | 0 | 4.6 |

| Ref No. | IC44001 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| REC | 4.2 | 0 | 4.5 | 8.2 | 0 | 0 | 8.2 | 4.5 | 4.5 | 8.9 | 4.4 | 4.4 |
| PLAY | 4.2 | 0 | 4.5 | 8.2 | 0 | 0 | 8.2 | 4.5 | 4.5 | 8.9 | 4.4 | 4.4 |
| STOP | 4.2 | 0 | 0 | 8.2 | 0 | 0 | 8.2 | 4.5 | 4.5 | 8.9 | 4.4 | 4.4 |

| Ref No. | IC44002 | | | | | | | | IC44003 | | | | | IC44004 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 1 | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 5 |
| REC | 4.9 | 2.5 | 2.5 | 0 | 2.5 | 2.5 | 5.0 | 12.0 | 4.8 | 0 | 1.3 | 12.0 | 12.7 | 4.8 | 0 | 1.3 | 5.0 | 5.8 |
| PLAY | 4.9 | 2.5 | 2.5 | 0 | 2.5 | 2.5 | 5.0 | 12.0 | 4.8 | 0 | 1.3 | 12.0 | 12.7 | 4.8 | 0 | 1.3 | 5.0 | 5.8 |
| STOP | 4.9 | 2.5 | 2.5 | 0 | 2.5 | 2.5 | 5.0 | 12.0 | 4.8 | 0 | 1.3 | 12.0 | 12.7 | 4.8 | 0 | 1.3 | 5.0 | 5.8 |

| Ref No. | IC44005 | | | | | | IC44501 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| REC | 4.7 | 0 | 1.3 | 8.9 | 12.7 | | 6.0 | 6.0 | 5.9 | 0 | 5.9 | 6.0 | 6.0 | 12.0 |
| PLAY | 4.7 | 0 | 1.3 | 8.9 | 12.7 | | 6.0 | 6.0 | 5.9 | 0 | 5.9 | 6.0 | 6.0 | 12.0 |
| STOP | 4.7 | 0 | 1.3 | 8.9 | 12.7 | | 6.0 | 6.0 | 5.9 | 0 | 5.9 | 6.0 | 6.0 | 12.0 |

| Ref No. | IC44502 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| REC | 5.9 | 0 | 5.9 | 5.9 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 5.9 | 5.9 | 5.9 | 0 | 0 | 12.0 |
| PLAY | 5.9 | 0 | 5.9 | 5.9 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 5.9 | 5.9 | 5.9 | 0 | 0 | 12.0 |
| STOP | 5.9 | 0 | 5.9 | 5.9 | 0 | 0 | 0 | 0 | 12.0 | 12.0 | 5.9 | 5.9 | 5.9 | 0 | 0 | 12.0 |

| Ref No. | IC47403 | | | | | |
|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 |
| REC | 0 | 4.3 | 12.0 | 5.0 | 0 | 5.0 |
| PLAY | 0 | 4.3 | 12.0 | 5.0 | 0 | 5.0 |
| STOP | 0 | 4.2 | 12.0 | 5.0 | 0 | 4.9 |

| Ref No. | IC47406 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| REC | 5.9 | 6.0 | 5.9 | 6.0 | 5.9 | 0 | 0 | 0 | 0 | 11.9 | 6.0 | 5.9 | 5.9 | 5.9 | 6.0 | 12.0 |
| PLAY | 5.9 | 6.0 | 5.9 | 6.0 | 5.9 | 0 | 0 | 0 | 0 | 11.9 | 6.0 | 5.9 | 5.9 | 5.9 | 6.0 | 12.0 |
| STOP | 5.9 | 6.0 | 5.9 | 6.0 | 5.9 | 0 | 0 | 0 | 0 | 11.9 | 6.0 | 5.9 | 5.9 | 5.9 | 6.0 | 12.0 |

| Ref No. | IC47407 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| REC | 6.0 | 6.0 | 5.9 | 0 | 5.9 | 6.0 | 6.0 | 12.0 |
| PLAY | 6.0 | 6.0 | 5.9 | 0 | 5.9 | 6.0 | 6.0 | 12.0 |
| STOP | 6.0 | 6.0 | 5.9 | 0 | 5.9 | 6.0 | 6.0 | 12.0 |

| Ref No. | Q43701 | | | Q43702 | | | Q44501 | | | Q44502 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | E | C | B | E | C | B | E | C | B | E | C | B |
| REC | 1.6 | 0 | 1.0 | 1.6 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PLAY | 1.6 | 0 | 1.0 | 1.6 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 |
| STOP | 1.6 | 0 | 1.0 | 1.6 | 0 | 1.0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Ref No. | QR43702 | | | QR43703 | | | QR44501 | | | QR47403 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | E | C | B | E | C | B | E | C | B | E | C | B |
| REC | 0 | 2.8 | 0 | 0 | 2.8 | 0 | 0 | 12.0 | 0 | 0 | 12.0 | 0 |
| PLAY | 0 | 2.8 | 0 | 0 | 2.8 | 0 | 0 | 12.0 | 0 | 0 | 12.0 | 0 |
| STOP | 0 | 2.8 | 0 | 0 | 2.8 | 0 | 0 | 12.0 | 0 | 0 | 11.9 | 0 |

## Main P.C.B.

| Integrated Circuit | |
|---|---|
| IC1511 | D-2 |
| IC1512 | B-2 |
| IC2501 | F-4 |
| IC3001 | C-4 |
| IC3002 | C-2 |
| IC3501 | B-3 |
| IC3502 | C-3 |
| IC3901 | B-7 |
| IC3902 | B-8 |
| IC3903 | C-7 |
| IC3904 | E-7 |
| IC4501 | B-4 |
| IC6001 | E-3 |
| IC6003 | E-1 |
| IC6004 | E-1 |
| IC6201 | E-3 |
| IC6202 | E-2 |
| IC6302 | E-4 |
| IC7401 | B-7 |
| IC7402 | B-7 |
| IC7405 | A-7 |
| IC23001 | E-7 |

| Transistor | |
|---|---|
| Q1501 | F-3 |
| Q1502 | A-3 |
| Q3001 | D-3 |
| Q3002 | C-4 |
| Q3501 | C-3 |
| Q3502 | B-3 |
| Q3901 | D-7 |
| Q3902 | B-6 |
| Q3903 | B-7 |
| Q3904 | B-7 |
| Q3905 | D-6 |
| Q3906 | E-7 |
| Q3907 | E-6 |
| Q4001 | C-5 |
| Q4002 | C-5 |
| Q4003 | B-2 |
| Q4004 | B-2 |
| Q4501 | B-2 |
| Q4502 | C-1 |
| Q6001 | D-3 |
| Q6002 | D-2 |
| Q6003 | D-3 |
| Q6004 | E-1 |
| Q6305 | F-2 |
| Q6401 | F-2 |
| Q7401 | B-5 |
| Q7402 | A-6 |
| Q7403 | A-6 |
| Q7901 | D-1 |
| Q7902 | C-2 |
| Q23001 | F-6 |
| Q24002 | D-7 |
| Q24003 | D-7 |
| Q37501 | F-1 |
| Q37502 | F-2 |
| Q37513 | F-2 |

| Transistor-resistor | |
|---|---|
| QR3001 | D-5 |
| QR3002 | D-4 |
| QR3003 | C-4 |
| QR3004 | D-4 |
| QR3005 | D-5 |
| QR3501 | C-3 |
| QR3701 | F-5 |
| QR3901 | B-8 |
| QR3902 | B-8 |
| QR3903 | C-6 |
| QR3908 | E-6 |
| QR3913 | E-7 |
| QR4003 | C-5 |
| QR4004 | C-5 |
| QR4005 | B-2 |
| QR4501 | A-4 |
| QR4502 | B-4 |
| QR4503 | A-4 |
| QR4504 | B-4 |

| QR6402 | F-2 |
|---|---|
| QR6403 | F-2 |
| QR7401 | B-5 |
| QR7402 | A-6 |
| QR23901 | D-7 |
| QR23902 | D-7 |
| QR23903 | D-7 |

| Test Point | |
|---|---|
| TL23 | D-2 |
| TL24 | B-2 |
| TL2015 | E-3 |
| TL2502 | E-4 |
| TL4501 | B-4 |
| TL6001 | D-3 |
| TL6002 | F-1 |
| TL6004 | D-2 |
| TL6010 | E-3 |
| TW1343 | E-5 |
| TW2001 | F-5 |
| TW2002 | F-5 |
| TW3001 | A-3 |
| TW4501 | C-6 |
| TW4502 | A-4 |
| TW4503 | E-1 |

| Connector | |
|---|---|
| JK3901 | C-7 |
| JK3903 | F-8 |
| JK23902 | E-8 |
| JK24302 | D-8 |
| P1531 | E-5 |
| P2501 | E-5 |
| P2571 | E-4 |
| P4001 | B-4 |
| P4002 | D-5 |
| P4501 | D-6 |
| P4502 | D-6 |
| P4503 | C-6 |
| P5001 | C-5 |
| P6001 | F-6 |
| P6002 | F-6 |
| P6003 | F-5 |
| P6004 | F-3 |
| P6005 | F-1 |
| P6601 | D-1 |
| PS33001 | A-1 |

| Diode | |
|---|---|
| D1501 | D-3 |
| D2001 | E-3 |
| D2002 | E-3 |
| D2501 | E-5 |
| D2502 | F-4 |
| D3001 | D-4 |
| D3501 | C-2 |
| D3901 | B-7 |
| D3906 | D-6 |
| D4501 | B-4 |
| D4502 | B-2 |
| D4503 | C-1 |
| D6306 | F-2 |
| D6401 | F-2 |
| D7401 | B-6 |
| D7402 | A-7 |
| D7751 | F-1 |
| D7901 | D-1 |
| D7902 | C-1 |
| D7903 | D-1 |
| D7904 | D-1 |
| D7905 | D-1 |
| D7906 | D-1 |
| D24001 | D-7 |
| D37402 | F-2 |

| Crystal Osillator | |
|---|---|
| X3001 | C-4 |
| X3002 | C-4 |
| X6001 | D-2 |
| X6002 | D-2 |

| Coil | |
|---|---|
| L3001 | C-5 |
| L3002 | D-4 |
| L3003 | D-4 |
| L3004 | D-4 |
| L3006 | C-4 |
| L3007 | C-4 |
| L3008 | D-5 |
| L3501 | B-2 |
| L3502 | B-3 |
| L3503 | B-3 |
| L3504 | B-3 |
| L4001 | B-2 |
| L4002 | D-5 |
| L4502 | B-4 |
| L5001 | C-4 |
| L6001 | D-3 |
| L6002 | D-2 |
| L6003 | C-3 |
| L6004 | D-3 |
| L6006 | E-1 |
| L7401 | B-6 |
| L7402 | B-7 |
| L7403 | B-7 |
| L7404 | A-6 |
| L7405 | A-7 |
| L7406 | A-6 |
| L7407 | B-6 |
| L7408 | A-7 |
| L7409 | B-6 |
| L7410 | A-7 |
| L7901 | C-1 |
| L7902 | D-1 |
| L24901 | F-7 |
| LB3901 | C-7 |
| LB3902 | C-8 |
| LB3903 | C-7 |
| LB3904 | C-7 |
| LB3905 | C-7 |
| LB3906 | C-7 |
| LB3907 | C-6 |
| LB3908 | C-6 |
| LB4001 | C-5 |
| LB4002 | C-5 |
| LB4003 | C-5 |
| LB7401 | B-5 |
| LB7402 | B-7 |
| LB7403 | A-6 |
| LB7404 | B-6 |
| LB7405 | B-5 |
| LB7406 | B-6 |
| LB7407 | B-7 |
| LB7408 | B-7 |
| LB7409 | A-7 |
| LB7410 | A-7 |
| LB7411 | A-4 |
| LB7412 | A-6 |
| LB7413 | A-7 |
| LB7414 | A-7 |
| LB7415 | B-6 |
| LB7416 | B-7 |
| LB7417 | A-7 |
| LB7901 | C-1 |
| LB23001 | E-6 |
| LB23002 | F-6 |
| LB23901 | D-7 |
| LB23902 | D-8 |
| LB23903 | D-8 |
| LB23908 | E-7 |
| LB23909 | E-7 |
| LB23910 | F-7 |
| LB23912 | E-8 |
| LB23914 | D-8 |
| LB23917 | E-7 |
| LB23918 | E-7 |
| LB29316 | E-8 |

| Capacitor | |
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| C2051 | E-3 |
| C2053 | E-3 |
| C2054 | E-3 |
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| C2099 | E-5 |
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| C2502 | E-4 |
| C2504 | F-4 |
| C2505 | F-4 |
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| C2507 | F-4 |
| C2508 | E-4 |
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| C2512 | F-4 |
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| C2518 | E-4 |
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| C2551 | E-3 |
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| C2562 | E-3 |
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| C3940 | D-7 |
| C3941 | C-6 |
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| C3947 | E-5 |
| C3948 | E-7 |
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| C6004 | D-2 |
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| C6008 | D-3 |
| C6009 | D-3 |
| C6010 | D-2 |
| C6011 | D-3 |
| C6012 | E-3 |
| C6013 | D-3 |
| C6015 | D-3 |
| C6016 | D-3 |
| C6017 | D-3 |
| C6018 | D-3 |
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| C6031 | E-1 |
| C6032 | E-1 |
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| C6111 | F-3 |
| C6112 | D-3 |
| C6113 | D-3 |
| C6201 | E-2 |
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| C6308 | E-4 |
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| C23902 | D-8 |
| C23903 | D-7 |
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| C23905 | D-7 |
| C23917 | E-7 |
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| C24040 | D-8 |
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| C24904 | E-8 |
| C24906 | F-8 |
| C37501 | F-2 |
| C37502 | F-2 |

| Resistor | |
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| R1503 | D-3 |
| R1511 | B-2 |
| R1512 | D-2 |
| R1513 | D-2 |
| R2001 | E-3 |
| R2002 | E-3 |
| R2099 | D-5 |
| R2501 | F-4 |
| R2502 | F-4 |
| R2503 | F-4 |
| R2514 | E-4 |
| R2515 | E-4 |
| R2516 | F-4 |
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| R2552 | F-4 |
| R2561 | E-3 |
| R2562 | E-4 |
| R2563 | E-3 |
| R2564 | E-5 |
| R2565 | E-4 |
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| R3003 | D-5 |
| R3004 | E-7 |
| R3005 | D-5 |
| R3006 | D-2 |
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| R3009 | C-4 |
| R3010 | C-4 |
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| R3014 | C-4 |
| R3015 | C-4 |
| R3016 | C-4 |
| R3017 | C-4 |
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| R37505 | F-2 |
| R37529 | F-2 |
| R37560 | F-2 |
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| Transformer | |
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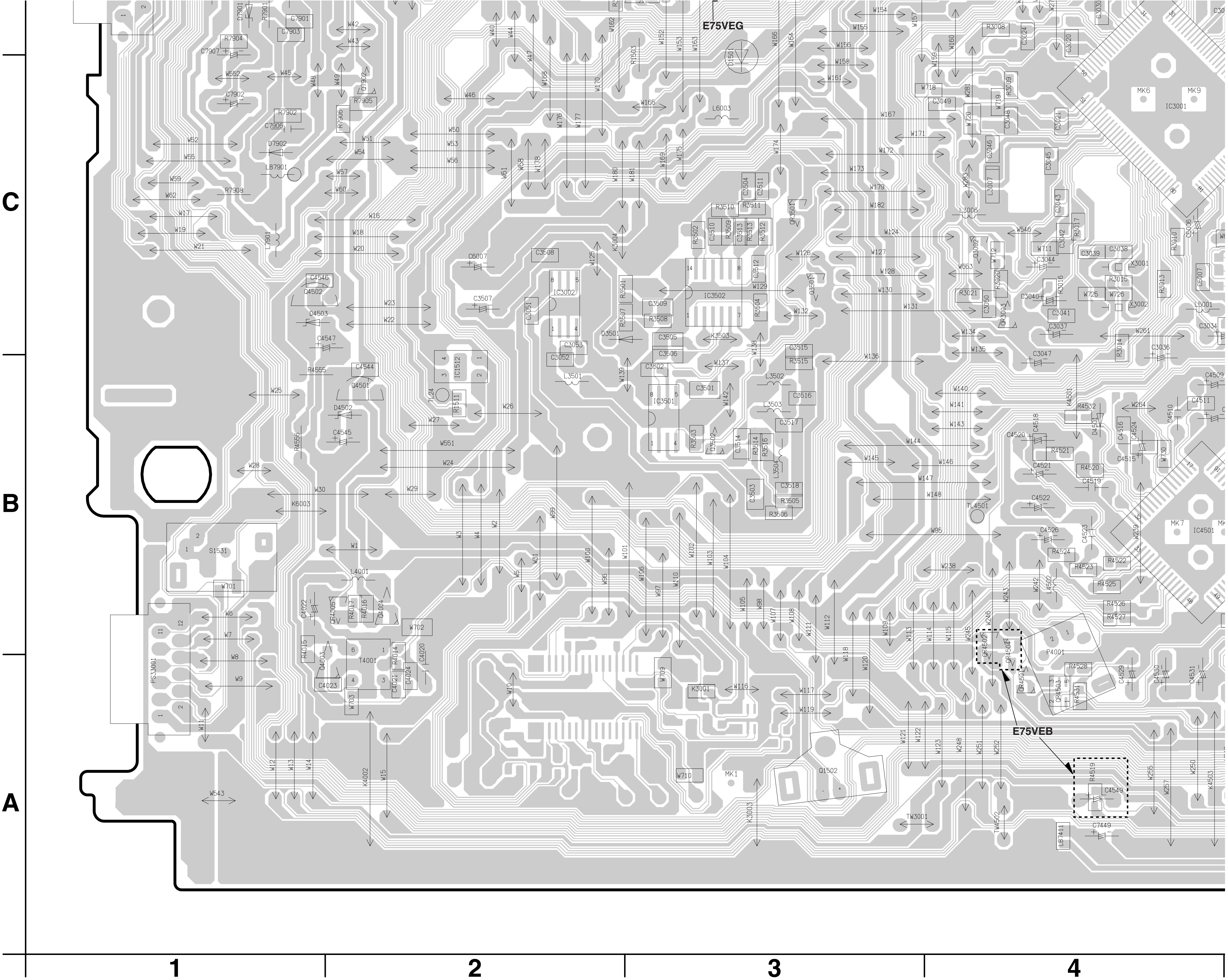
| T7901 | D-1 |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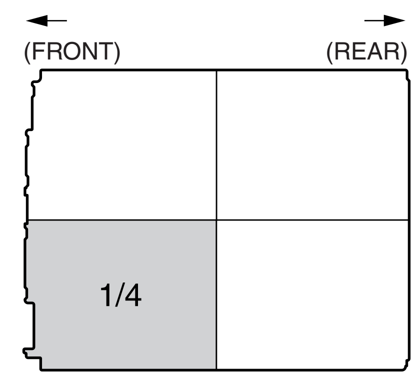
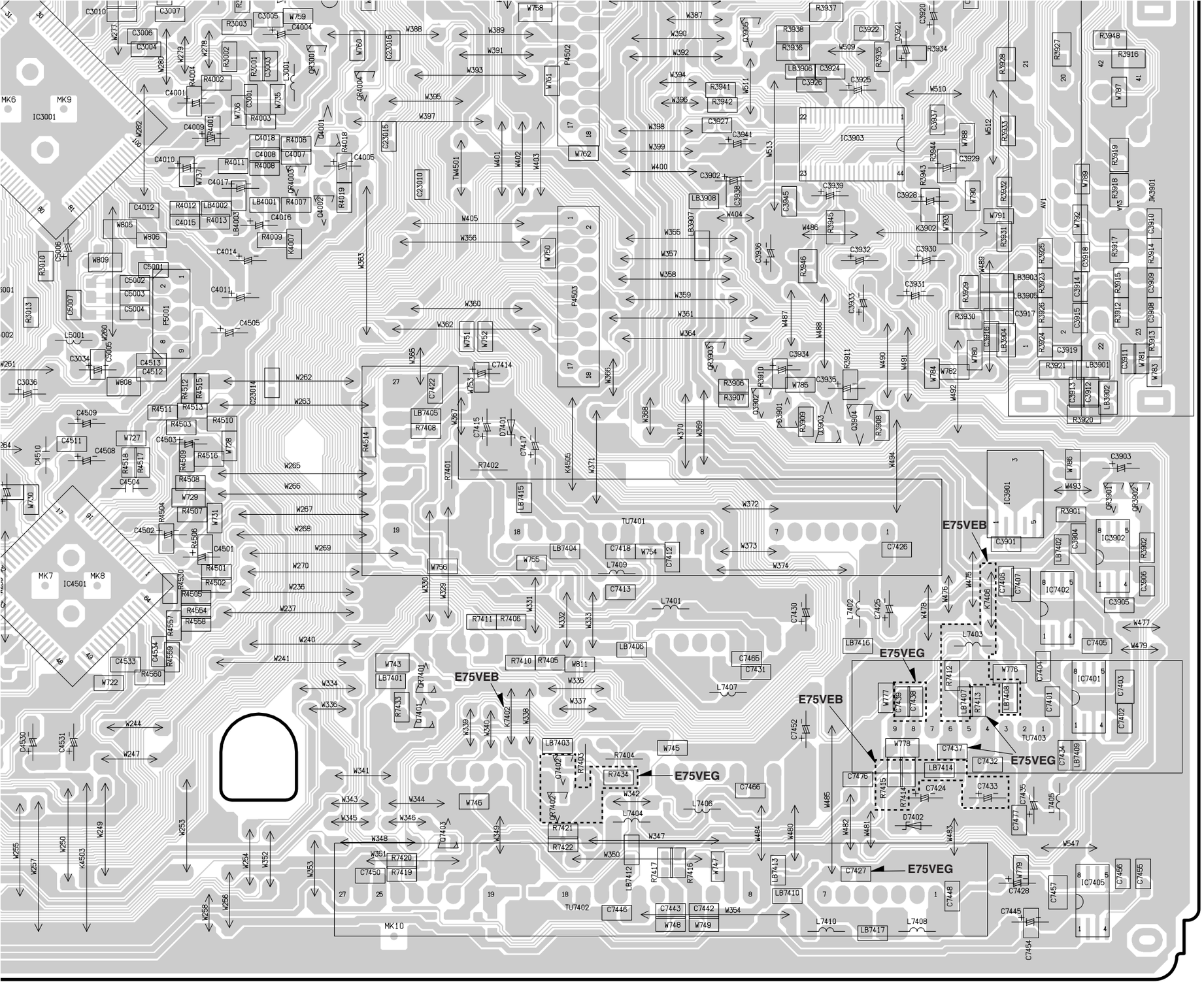


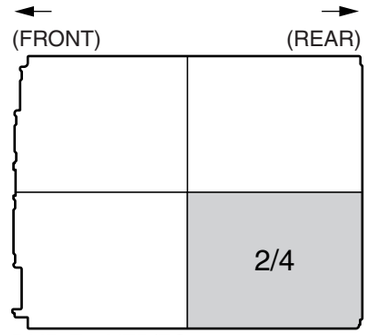

Location Map

DMR-E75VEB/EG
Main P.C.B.
(VEP06F79B: E75VEB)
(VEP06F79A: E75VEG)
(1/4 Section)




(FRONT) (REAR)

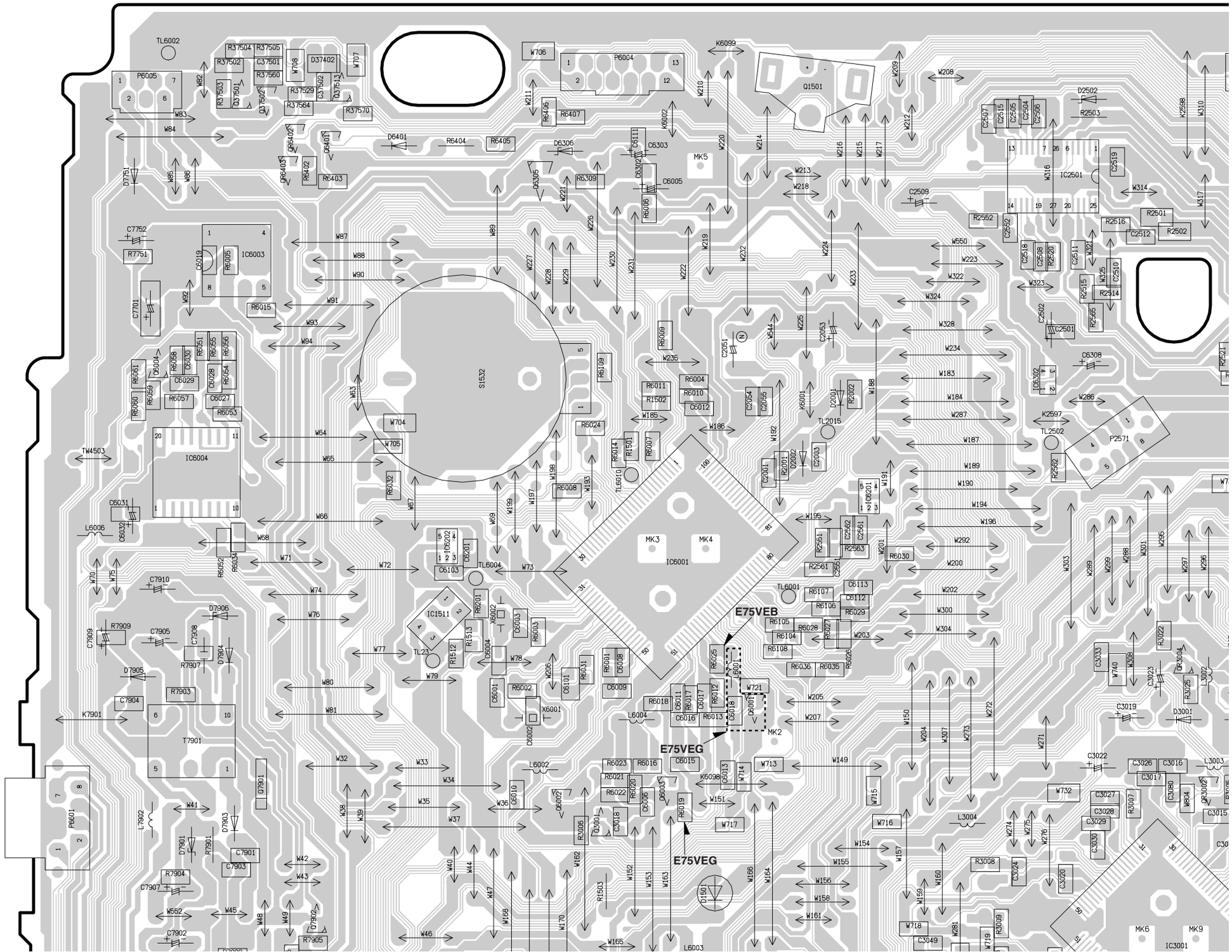
Location Map




DMR-E75VEB/EG
Main P.C.B.
(VEP06F79B: E75VEB)
(VEP06F79A: E75VEG)
(2/4 Section)

5 6 7 8

# Main P.C.B.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IC1511
IC2501
IC3001
S1532
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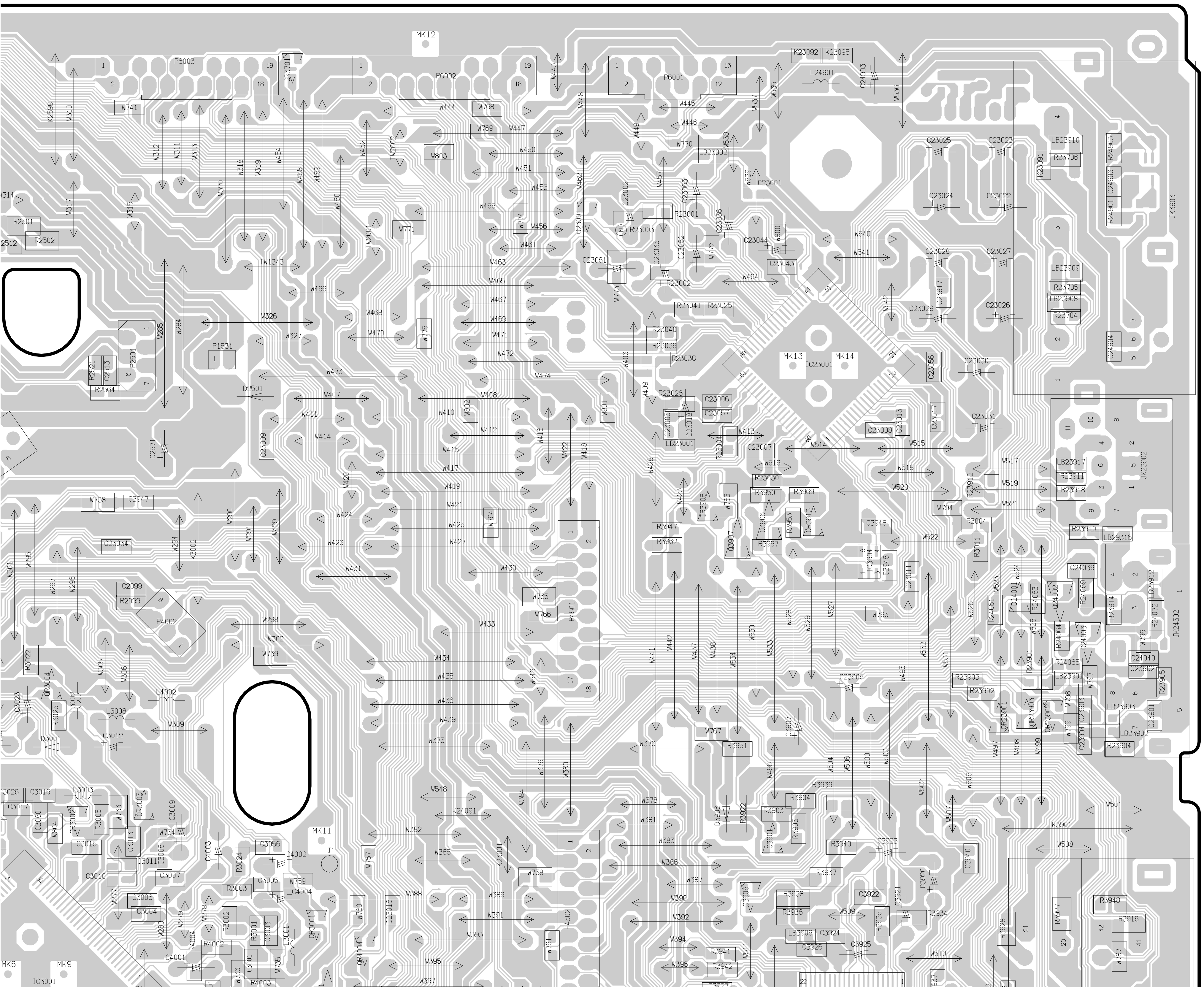
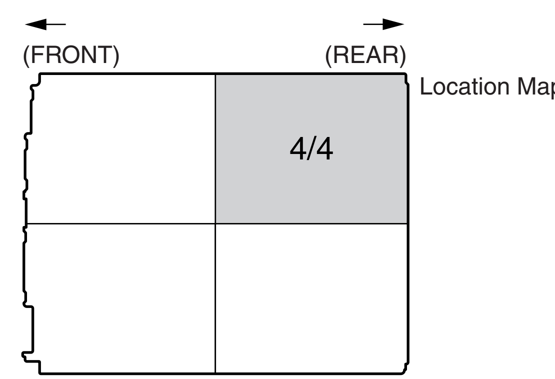



DMR-E75VEB/EG
Main P.C.B.
(VEP06F79B: E75VEB)
(VEP06F79A: E75VEG)
(4/4 Section)

| Ref No. | IC1511 | | | | | IC1512 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | | 1 | 2 | 3 | 4 | | | | | | | | | | | |
| REC | 1.2 | 2.4 | 4.4 | 0 | | 0 | 1.2 | 4.9 | 0 | | | | | | | | | | | |
| PLAY | 1.2 | 2.4 | 4.4 | 0 | | 0 | 1.2 | 4.9 | 0 | | | | | | | | | | | |
| STOP | 1.2 | 2.4 | 0.1 | 0 | | 0 | 1.2 | 0.1 | 0 | | | | | | | | | | | |

| Ref No. | IC2501 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| REC | 11.8 | 0.1 | -0.1 | 0.1 | 0 | 0 | 16.3 | 0 | 2.7 | 1.6 | 1.6 | 0.6 | 1.4 | 2.4 | 2.5 | 2.5 | 2.5 | 1.3 | 5.0 | 3.5 |
| PLAY | 11.8 | 0.1 | -0.1 | 0.1 | 0 | 0 | 16.3 | 0 | 2.7 | 1.6 | 1.6 | 0.6 | 1.4 | 2.4 | 2.5 | 2.5 | 2.5 | 1.3 | 5.0 | 3.5 |
| STOP | 12.0 | 0 | -0.1 | 0 | 0 | 0 | 16.2 | 0 | 0 | 1.0 | 3.8 | 0 | 0 | 4.7 | 2.5 | 2.5 | 2.5 | 2.4 | 5.0 | 0.8 |

| Ref No. | IC2501 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 21 | 22 | 23 | 24 | 25 | 26 | 27 | | | | | | | | | | | | | |
| REC | 11.8 | 3.5 | 3.5 | 0 | 3.5 | 0 | 0 | | | | | | | | | | | | | |
| PLAY | 11.8 | 3.5 | 3.5 | 0 | 3.5 | 0 | 0 | | | | | | | | | | | | | |
| STOP | 12.0 | 0.8 | 0.8 | 0 | 0.8 | 0 | 0 | | | | | | | | | | | | | |

| Ref No. | IC3001 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| REC | 0 | 0 | 0.1 | 5.1 | 2.0 | 2.6 | 2.8 | 1.9 | 1.9 | 1.9 | 2.6 | 0 | 0 | 2.8 | 2.7 | 0 | 2.7 | 2.0 | 2.7 | 0 |
| PLAY | 0 | 0 | 0.1 | 5.1 | 2.0 | 2.6 | 2.8 | 1.9 | 1.9 | 1.9 | 2.6 | 0 | 0 | 2.8 | 2.7 | 0 | 2.7 | 2.0 | 2.7 | 0 |
| STOP | 0 | 0 | 0.1 | 5.1 | 2.1 | 2.6 | 2.8 | 1.9 | 1.9 | 1.9 | 2.6 | 1.5 | 0 | 2.8 | 2.7 | 0 | 2.7 | 2.0 | 2.7 | 0 |

| Ref No. | IC3001 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| REC | 2.7 | 5.0 | 2.3 | 0 | 0 | 3.0 | 0 | 0 | 2.2 | 2.8 | 0.4 | 2.3 | 2.1 | 1.8 | 3.0 | 2.3 | 3.0 | 2.2 | 1.5 | 2.1 |
| PLAY | 2.7 | 5.0 | 2.3 | 0 | 0 | 3.0 | 0 | 0 | 2.2 | 2.8 | 0.4 | 2.3 | 2.1 | 1.8 | 3.0 | 2.3 | 3.0 | 2.2 | 1.5 | 2.1 |
| STOP | 2.7 | 5.0 | 2.3 | 0.1 | 0 | 3.0 | 0 | 0 | 2.2 | 2.8 | 0.4 | 2.2 | 2.1 | 1.8 | 3.0 | 2.3 | 3.0 | 2.2 | 0 | 0 |

| Ref No. | IC3001 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| REC | 2.5 | 2.0 | 2.1 | 0 | 3.0 | 3.0 | 5.0 | 5.0 | 3.1 | 5.0 | 1.9 | 5.0 | 2.6 | 0 | 0 | 0 | 2.2 | 2.2 | 5.0 | 5.0 |
| PLAY | 2.5 | 2.0 | 2.1 | 0 | 3.0 | 3.0 | 5.0 | 5.0 | 3.1 | 5.0 | 1.9 | 5.0 | 2.6 | 0 | 0 | 0 | 2.2 | 2.2 | 5.0 | 5.0 |
| STOP | 2.5 | 2.0 | 2.1 | 0 | 3.0 | 3.0 | 5.0 | 5.0 | 0 | 5.0 | 1.9 | **5.0** | 2.6 | 0 | 1.9 | 0 | 2.2 | 2.2 | 5.0 | 5.0 |

| Ref No. | IC3001 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| REC | 4.1 | 2.3 | 2.2 | 2.5 | 2.2 | 2.5 | 0 | 1.2 | 1.9 | 2.7 | 0.1 | 5.0 | 2.2 | 2.1 | 2.8 | 2.2 | 2.8 | 0 | 0 | 2.3 |
| PLAY | 4.1 | 2.3 | 2.2 | 2.5 | 2.2 | 2.5 | 0 | 1.2 | 1.9 | 2.7 | 0.1 | 5.0 | 2.2 | 2.1 | 2.8 | 2.2 | 2.8 | 0 | 0 | 2.3 |
| STOP | 4.1 | 2.3 | 2.2 | 2.4 | 2.2 | 2.4 | 0 | 1.2 | 1.9 | 2.7 | 0.1 | 5.0 | 2.2 | 2.1 | 2.8 | 2.2 | 2.8 | 0 | 0 | 2.3 |

| Ref No. | IC3001 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| REC | 0 | 0 | 3.3 | 5.0 | 2.3 | 2.3 | 2.3 | 0 | 2.3 | 2.3 | 2.3 | 5.1 | 0.5 | 2.5 | 2.5 | 2.4 | 0 | 2.3 | 0 | 2.6 |
| PLAY | 0 | 0 | 3.3 | 5.0 | 2.3 | 2.3 | 2.3 | 0 | 2.3 | 2.3 | 2.3 | 2.2 | 0.5 | 2.5 | 2.5 | 2.4 | 0 | 2.3 | 0 | 2.6 |
| STOP | 0 | 0 | 3.3 | 5.0 | 2.3 | 2.3 | 2.3 | 0 | 2.3 | 2.3 | 2.3 | 5.1 | 0.5 | 2.5 | 2.5 | 2.4 | 0 | 2.3 | 0 | 2.6 |

| Ref No. | IC3002 | | | | | | | | | IC3501 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| REC | 5.1 | 0 | 0 | 3.2 | 4.7 | 0 | 0 | 5.7 | | 2.8 | 5.0 | 2.8 | 4.7 | 2.8 | 5.0 | 2.0 | 0 | | | |
| PLAY | 5.1 | 0 | 0 | 3.2 | 4.7 | 0 | 0 | 5.7 | | 2.8 | 5.0 | 2.8 | 4.7 | 2.8 | 5.0 | 2.0 | 0 | | | |
| STOP | 5.1 | 0 | 0 | 3.2 | 4.7 | 0 | 0 | 5.7 | | 2.8 | 5.0 | 2.8 | 4.7 | 2.8 | 5.0 | 2.0 | 0 | | | |

| Ref No. | IC3502 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | | | | | |
| REC | 0 | 0 | 5.0 | 3.5 | 3.2 | 5.0 | 2.6 | 2.2 | 2.2 | 2.2 | 0 | 3.7 | 3.7 | 2.2 | | | | | | |
| PLAY | 0 | 0 | 5.0 | 3.5 | 3.2 | 5.0 | 2.6 | 2.2 | 2.2 | 2.2 | 0 | 3.7 | 3.7 | 2.2 | | | | | | |
| STOP | 0 | 0 | 5.0 | 3.5 | 3.2 | 5.0 | 2.7 | 2.2 | 2.2 | 2.2 | 0 | 3.7 | 3.7 | 2.2 | | | | | | |

| Ref No. | IC3901 | | | | | | IC3902 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | |
| REC | 12.6 | 4.0 | 12.0 | 0 | 0 | | 5.0 | 0 | 0 | 3.1 | 5.4 | 0 | 0 | 5.6 | | | | | | | |
| PLAY | 12.6 | 4.0 | 12.0 | 0 | 0 | | 5.0 | 0 | 0 | 3.1 | 5.4 | 0 | 0 | 5.6 | | | | | | | |
| STOP | 12.6 | 4.0 | 12.0 | 0 | 0 | | 5.0 | 0 | 0 | 3.1 | 5.4 | 0 | 0 | 5.6 | | | | | | | |
| Ref No. | IC3903 | | | | | | | | | | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| REC | 5.6 | 5.6 | 0 | 0 | 1.1 | 0 | 2.0 | 0 | 0 | 5.6 | 5.6 | 5.0 | 1.7 | 12.0 | 5.6 | 5.6 | 0 | 2.1 | 3.6 | 0 | |
| PLAY | 5.6 | 5.6 | 0 | 0 | 1.1 | 0 | 2.0 | 0 | 0 | 5.6 | 5.6 | 5.0 | 1.7 | 12.0 | 5.6 | 5.6 | 0 | 2.1 | 3.6 | 0 | |
| STOP | 5.6 | 5.6 | 0 | 0 | 1.1 | 0 | 2.1 | 0 | 0 | 5.6 | 5.6 | 5.0 | 1.7 | 12.0 | 5.6 | 5.6 | 0 | 2.1 | 3.6 | 0 | |
| Ref No. | IC3903 | | | | | | | | | | | | | | | | | | | | |
| MODE | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | |
| REC | 4.2 | 4.5 | 1.7 | 5.0 | 1.7 | 1.7 | 0 | 1.7 | 5.0 | 5.0 | 5.0 | 0 | 5.6 | 5.6 | 0 | 5.6 | 5.6 | 0 | 5.0 | 5.0 | |
| PLAY | 4.2 | 4.5 | 1.7 | 5.0 | 1.7 | 1.7 | 0 | 1.7 | 5.0 | 5.0 | 5.0 | 0 | 5.6 | 5.6 | 0 | 5.6 | 5.6 | 0 | 5.0 | 5.0 | |
| STOP | 4.2 | 4.6 | 1.7 | 5.0 | 1.8 | 1.8 | 0 | 1.7 | 5.0 | 5.0 | 5.0 | 0 | 5.6 | 5.6 | 0 | 5.6 | 5.6 | 0 | 0 | 5.0 | |
| Ref No. | IC3903 | | | | | | | | | | | | | | | | | | | | |
| MODE | 41 | 42 | 43 | 44 | | | | | | | | | | | | | | | | | |
| REC | 0 | 5.0 | 5.0 | 0 | | | | | | | | | | | | | | | | | |
| PLAY | 0 | 5.0 | 5.0 | 0 | | | | | | | | | | | | | | | | | |
| STOP | 0 | 5.0 | 5.0 | 0 | | | | | | | | | | | | | | | | | |
| Ref No. | IC3904 | | | | | | | | | | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | | | | | | | | | | | | | | | |
| REC | 4.7 | 2.3 | 5.0 | 2.2 | 0 | 2.0 | | | | | | | | | | | | | | | |
| PLAY | 4.7 | 2.3 | 5.0 | 2.2 | 0 | 2.0 | | | | | | | | | | | | | | | |
| STOP | 4.7 | 2.3 | 5.0 | 2.2 | 0 | 2.0 | | | | | | | | | | | | | | | |
| Ref No. | IC4501 | | | | | | | | | | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| REC | 2.3 | 0 | 2.3 | 0 | 0 | 2.5 | 2.0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 2.5 | 0.6 | 2.5 | 2.5 | 2.1 | |
| PLAY | 2.3 | 0 | 2.3 | 0 | 0 | 2.5 | 2.0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 2.5 | 0.6 | 2.5 | 2.5 | 2.1 | |
| STOP | 2.3 | 0 | 2.3 | 0 | 0 | 2.5 | 2.0 | 0 | 0 | 0 | 0 | 2.0 | 0 | 0 | 0 | 2.5 | 0.6 | 2.5 | 2.5 | 2.1 | |
| Ref No. | IC4501 | | | | | | | | | | | | | | | | | | | | |
| MODE | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | |
| REC | 2.1 | 2.1 | 0 | 2.1 | 5.1 | 2.1 | 0 | 4.3 | 1.8 | 1.8 | 0 | 2.5 | 2.5 | 0.8 | 2.5 | 0 | 1.7 | 0 | 0 | 5.1 | |
| PLAY | 2.1 | 2.1 | 0 | 2.1 | 5.1 | 2.1 | 0 | 4.3 | 1.8 | 1.8 | 0 | 2.5 | 2.5 | 0.8 | 2.5 | 0 | 1.7 | 0 | 0 | 5.1 | |
| STOP | 2.1 | 2.1 | 0 | 2.1 | 5.0 | 2.1 | 0 | 4.3 | 1.8 | 1.8 | 0 | 2.5 | 2.5 | 0.8 | 2.5 | 0 | 0 | 0 | 0 | 5.0 | |
| Ref No. | IC4501 | | | | | | | | | | | | | | | | | | | | |
| MODE | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | |
| REC | 0 | 0 | 2.1 | 0 | 0 | 4.8 | 2.5 | 2.5 | 0.2 | 0.6 | 6.0 | 6.1 | 6.0 | 0 | 0 | 0 | 6.1 | 12.2 | 6.2 | 0 | |
| PLAY | 0 | 0 | 2.1 | 0 | 0 | 4.8 | 2.5 | 2.5 | 0.2 | 0.6 | 6.0 | 6.1 | 6.0 | 0 | 0 | 0 | 6.1 | 12.2 | 6.2 | 0 | |
| STOP | 0 | 0 | 2.1 | 3.2 | 1.6 | 4.8 | 0 | 2.5 | 0.2 | 0.6 | 6.0 | 6.1 | 6.0 | 0 | 0 | 0 | 6.0 | 12.2 | 6.2 | 0 | |
| Ref No. | IC4501 | | | | | | | | | | | | | | | | | | | | |
| MODE | 61 | 62 | 63 | 64 | | | | | | | | | | | | | | | | | |
| REC | 2.5 | 2.4 | 0 | 0 | | | | | | | | | | | | | | | | | |
| PLAY | 2.5 | 2.4 | 0 | 0 | | | | | | | | | | | | | | | | | |
| STOP | 2.5 | 2.4 | 0 | 0 | | | | | | | | | | | | | | | | | |
| Ref No. | IC6001 | | | | | | | | | | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| REC | 4.7 | 4.1 | 0 | 0 | 5.0 | 5.0 | 4.9 | 4.9 | 3.3 | 5.0 | 4.7 | 2.0 | 0 | 5.0 | 3.7 | 0 | 0 | 2.4 | 0 | 4.7 | |
| PLAY | 4.7 | 4.1 | 0 | 0 | 5.0 | 5.0 | 4.9 | 4.9 | 3.3 | 5.0 | 4.7 | 2.0 | 0 | 5.0 | 3.7 | 0 | 0 | 2.4 | 0 | 4.7 | |
| STOP | 4.7 | 4.1 | 0 | 0 | 5.0 | 5.0 | 0 | 4.9 | 3.3 | 5.0 | 0 | 0 | 0 | 5.0 | 3.7 | 0 | 0 | 0 | 0 | 0 | |
| Ref No. | IC6001 | | | | | | | | | | | | | | | | | | | | |
| MODE | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | |
| REC | 5.0 | 0 | 4.3 | 0 | 0 | 4.7 | 0 | 0 | 0 | 0 | 4.7 | 4.7 | 4.7 | 4.8 | - | - | 4.8 | - | - | 0 | |
| PLAY | 5.0 | 0 | 4.3 | 0 | 0 | 4.7 | 0 | 0 | 0 | 0 | 4.7 | 4.7 | 4.7 | 4.8 | - | - | 4.8 | - | - | 0 | |
| STOP | 5.0 | 0 | 4.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 0 | 0 | 0 | - | - | 4.8 | - | - | 0 | |
| Ref No. | IC6001 | | | | | | | | | | | | | | | | | | | | |
| MODE | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | |
| REC | 0 | 0 | 4.7 | 4.7 | 4.7 | 0 | 1.7 | 2.1 | 0 | 1.6 | 2.5 | 1.6 | 5.0 | 2.8 | 0 | 1.7 | 0 | 0 | 0.5 | 0 | |
| PLAY | 0 | 0 | 4.7 | 4.7 | 4.7 | 0 | 1.7 | 2.1 | 0 | 1.6 | 2.5 | 1.6 | 5.0 | 2.8 | 0 | 1.7 | 0 | 0 | 0.5 | 0 | |
| STOP | 0 | 0 | 4.7 | 4.8 | 4.7 | 0 | 1.3 | 2.1 | 0 | 1.6 | 2.5 | 1.6 | 5.0 | 2.0 | 0 | 1.7 | 0 | 0 | 0 | 0 | |
| Ref No. | IC6001 | | | | | | | | | | | | | | | | | | | | |
| MODE | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | |
| REC | 0 | 0 | 4.7 | 0.8 | 3.8 | 3.8 | 4.0 | 3.8 | 2.4 | 4.2 | 2.6 | 2.5 | 0 | 0 | 4.7 | 2.4 | 2.4 | 5.0 | 4.8 | 4.6 | |
| PLAY | 0 | 0 | 4.7 | 0.8 | 3.8 | 3.8 | 4.0 | 3.8 | 2.4 | 4.2 | 2.6 | 2.5 | 0 | 0 | 4.7 | 2.4 | 2.4 | 5.0 | 4.8 | 4.6 | |
| STOP | 0 | 0 | 4.7 | 0.8 | 3.8 | 3.8 | 4.0 | 3.8 | 2.1 | 4.2 | 2.1 | 2.0 | 0 | 0 | 4.7 | 0 | 4.7 | 5.0 | 0.1 | 0.1 | |
| Ref No. | IC6001 | | | | | | | | | | | | | | | | | | | | |
| MODE | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | |
| REC | 4.7 | 0 | 0 | 0 | 5.0 | 2.5 | 2.5 | 0 | 0 | 1.3 | 2.5 | 2.5 | 0 | 2.3 | 2.8 | 2.5 | 2.5 | 5.1 | 5.0 | 4.7 | |
| PLAY | 4.7 | 0 | 0 | 0 | 5.0 | 2.5 | 2.5 | 0 | 0 | 1.3 | 2.5 | 2.5 | 0 | 2.3 | 2.8 | 2.5 | 2.5 | 5.1 | 5.0 | 4.7 | |
| STOP | 4.7 | 0 | 0 | 0 | 5.0 | 2.5 | 2.5 | 0 | 0 | 2.4 | 2.5 | 2.5 | 0 | 2.5 | 2.5 | 2.5 | 2.5 | 5.1 | 5.0 | 4.7 | |
| Ref No. | IC6003 | | | | | | | | | | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | | | | | | | |
| REC | 0 | 0 | 0 | 0 | 2.1 | 2.2 | 4.8 | 5.0 | | | | | | | | | | | | | |
| PLAY | 0 | 0 | 0 | 0 | 2.1 | 2.2 | 4.8 | 5.0 | | | | | | | | | | | | | |
| STOP | 0 | 0 | 0 | 0 | 2.1 | 2.2 | 4.8 | 5.0 | | | | | | | | | | | | | |
| Ref No. | IC6004 | | | | | | | | | | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| REC | 0 | 0 | 0 | 2.2 | 2.1 | 0 | 0.4 | 0 | 5.0 | 0 | 0 | 2.5 | 0 | 2.5 | 2.5 | 1.5 | 1.2 | 0 | 5.0 | 5.0 | |
| PLAY | 0 | 0 | 0 | 2.2 | 2.1 | 0 | 0.4 | 0 | 5.0 | 0 | 0 | 2.5 | 0 | 2.5 | 2.5 | 1.5 | 1.2 | 0 | 5.0 | 5.0 | |
| STOP | 0 | 0 | 0 | 2.2 | 2.1 | 0 | 0 | 0 | 5.0 | 0 | 0 | 2.5 | 0 | 2.5 | 2.5 | 1.5 | 1.2 | 0 | 5.0 | 5.0 | |

| Ref No. | IC6201 | | | | | | IC6202 | | | | | | IC6302 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | | 1 | 2 | 3 | 4 | 5 | | 1 | 2 | 3 | 4 | | | | |
| REC | 5.0 | 5.0 | 0 | 0 | 0 | | 4.8 | 4.8 | 0 | 0 | 2.1 | | 5.0 | 0 | 4.7 | 5.7 | | | | |
| PLAY | 5.0 | 5.0 | 0 | 0 | 0 | | 4.8 | 4.8 | 0 | 0 | 2.1 | | 5.0 | 0 | 4.7 | 5.7 | | | | |
| STOP | 5.0 | 5.0 | 0 | 0 | 0 | | 4.8 | 4.8 | 0 | 0 | 2.1 | | 5.0 | 0 | 4.7 | 5.7 | | | | |
| Ref No. | IC7401 | | | | | | | | | IC7402 | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | |
| REC | 5.0 | 0 | 0 | 3.2 | 5.6 | 0 | 0 | 5.6 | | 5.0 | 0 | 0 | 3.1 | 4.7 | 0 | 0 | 5.6 | | | |
| PLAY | 5.0 | 0 | 0 | 3.2 | 5.6 | 0 | 0 | 5.6 | | 5.0 | 0 | 0 | 3.1 | 4.7 | 0 | 0 | 5.6 | | | |
| STOP | 5.0 | 0 | 0 | 3.2 | 5.6 | 0 | 0 | 5.6 | | 5.0 | 0 | 0 | 3.1 | 4.7 | 0 | 0 | 5.6 | | | |
| Ref No. | IC7405 | | | | | | | | | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | | | | | | |
| REC | 5.0 | 0 | 0 | 3.1 | 4.8 | 0 | 0 | 5.5 | | | | | | | | | | | | |
| PLAY | 5.0 | 0 | 0 | 3.1 | 4.8 | 0 | 0 | 5.5 | | | | | | | | | | | | |
| STOP | 5.0 | 0 | 0 | 3.1 | 4.8 | 0 | 0 | 5.6 | | | | | | | | | | | | |
| Ref No. | IC23001 | | | | | | | | | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| REC | 1.7 | 0 | 1.7 | 5.0 | 1.3 | 4.8 | 1.3 | 4.7 | 0 | 2.6 | 0 | 1.7 | 4.8 | 1.3 | 0 | 0 | 2.6 | 0 | 1.3 | 4.8 |
| PLAY | 1.7 | 0 | 1.7 | 5.0 | 1.3 | 4.8 | 1.3 | 4.7 | 0 | 2.6 | 0 | 1.7 | 4.8 | 1.3 | 0 | 0 | 2.6 | 0 | 1.3 | 4.8 |
| STOP | 1.7 | 0 | 1.7 | 5.0 | 1.3 | 4.8 | 1.3 | 4.7 | 0 | 2.6 | 0 | 1.7 | 4.8 | 1.3 | 0 | 0 | 2.6 | 0 | 1.3 | 4.8 |
| Ref No. | IC23001 | | | | | | | | | | | | | | | | | | | |
| MODE | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| REC | 1.3 | 0 | 0 | 2.6 | 5.0 | 1.6 | 1.6 | 1.8 | 1.8 | 2.2 | 0 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 0 | 1.8 | 5.0 |
| PLAY | 1.3 | 0 | 0 | 2.6 | 5.0 | 1.6 | 1.6 | 1.8 | 1.8 | 2.2 | 0 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 0 | 1.8 | 5.0 |
| STOP | 1.3 | 0 | 0 | 2.6 | 5.0 | 1.6 | 1.7 | 1.8 | 1.8 | 2.2 | 0 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 0 | 1.8 | 5.0 |
| Ref No. | IC23001 | | | | | | | | | | | | | | | | | | | |
| MODE | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| REC | 2.8 | 0 | 2.8 | 5.0 | 2.8 | 2.7 | 2.8 | 4.7 | 2.8 | 0 | 2.8 | 5.0 | 2.8 | 2.9 | 1.0 | 0 | 4.2 | 4.5 | 5.0 | 0.3 |
| PLAY | 2.8 | 0 | 2.8 | 5.0 | 2.8 | 2.7 | 2.8 | 4.7 | 2.8 | 0 | 2.8 | 5.0 | 2.8 | 2.9 | 1.0 | 0 | 4.2 | 4.5 | 5.0 | 0.3 |
| STOP | 2.8 | 0 | 2.8 | 5.0 | 2.8 | 2.7 | 0 | 0 | 0 | 0 | 2.8 | 5.0 | 0 | 2.9 | 1.0 | 0 | 4.2 | 4.6 | 5.0 | 0.3 |
| Ref No. | IC23001 | | | | | | | | | | | | | | | | | | | |
| MODE | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| REC | 0 | 0.8 | 0.8 | 5.0 | 1.2 | 0 | 1.7 | 0 | 0 | 0 | 1.2 | 5.0 | 1.2 | 0 | 2.0 | 0 | 0 | 0 | 0 | 0 |
| PLAY | 0 | 0.8 | 0.8 | 5.0 | 1.2 | 0 | 1.7 | 0 | 0 | 0 | 1.2 | 5.0 | 1.2 | 0 | 2.0 | 0 | 0 | 0 | 0 | 0 |
| STOP | 0 | 0.8 | 0.8 | 5.0 | 1.2 | 0 | 1.6 | 0 | 2.0 | 0 | 1.2 | 5.0 | 1.2 | 0 | 2.0 | 0 | 0 | 5.0 | 0 | 0 |
| Ref No. | Q1501 | | | | Q1502 | | | | Q3001 | | | | Q3002 | | | | Q3501 | | | |
| MODE | E | C | B | | E | C | B | | E | C | B | | E | C | B | | E | C | B | |
| REC | 0 | 4.9 | - | | 0 | 4.9 | - | | 1.6 | 5.0 | 2.2 | | 1.6 | 5.1 | 2.2 | | 2.7 | 0 | 2.0 | |
| PLAY | 0 | 4.9 | - | | 0 | 4.9 | - | | 1.6 | 5.0 | 2.2 | | 1.6 | 5.1 | 2.2 | | 2.7 | 0 | 2.0 | |
| STOP | 0 | 4.9 | - | | 0 | 4.9 | - | | 1.4 | 5.0 | 2.2 | | 1.6 | 5.1 | 2.2 | | 2.7 | 0 | 2.1 | |
| Ref No. | Q3502 | | | | Q3901 | | | | Q3902 | | | | Q3903 | | | | Q3904 | | | |
| MODE | E | C | B | | E | C | B | | E | C | B | | E | C | B | | E | C | B | |
| REC | 2.0 | 5.0 | 2.6 | | 2.0 | 5.0 | 2.6 | | 5.0 | -0.1 | 5.0 | | 0 | 0 | -0.1 | | 0 | 0 | 0 | |
| PLAY | 2.0 | 5.0 | 2.6 | | 2.0 | 5.0 | 2.6 | | 5.0 | -0.1 | 5.0 | | 0 | 0 | -0.1 | | 0 | 0 | 0 | |
| STOP | 2.0 | 5.0 | 2.6 | | 2.0 | 5.0 | 2.6 | | 5.0 | -1.4 | 5.0 | | 0 | 0 | -0.1 | | 0 | 0 | 0 | |
| Ref No. | Q3905 | | | | Q3906 | | | | Q3907 | | | | Q4001 | | | | Q4002 | | | |
| MODE | E | C | B | | E | C | B | | E | C | B | | E | C | B | | E | C | B | |
| REC | 2.9 | 0 | 2.3 | | 5.0 | 0 | 5.0 | | 0 | 0 | 0 | | 0 | 0 | 0.7 | | 0 | 0 | 0.7 | |
| PLAY | 2.9 | 0 | 2.3 | | 5.0 | 0 | 5.0 | | 0 | 0 | 0 | | 0 | 0 | 0.7 | | 0 | 0 | 0.7 | |
| STOP | 3.0 | 0 | 2.3 | | 5.0 | 0 | 5.0 | | 0 | 0 | 0 | | 0 | 0 | 0.7 | | 0 | 0 | 0.7 | |
| Ref No. | Q4003 | | | | Q4004 | | | | Q4501 | | | | Q4502 | | | | Q6001 | | | |
| MODE | E | C | B | | E | C | B | | E | C | B | | E | C | B | | E | C | B | |
| REC | 0 | 4.5 | -0.7 | | 5.6 | 5.5 | 4.9 | | 5.1 | 5.6 | 5.8 | | 12.3 | 12.6 | 13.0 | | 2.2 | 0 | 1.6 | |
| PLAY | 0 | 4.5 | -0.7 | | 5.6 | 5.5 | 4.9 | | 5.1 | 5.6 | 5.8 | | 12.3 | 12.6 | 13.0 | | 2.2 | 0 | 1.6 | |
| STOP | 0 | 0.2 | 0.2 | | 5.7 | 0.2 | 5.7 | | 5.1 | 5.7 | 5.8 | | 12.2 | 12.6 | 12.9 | | 2.2 | 0 | 1.6 | |
| Ref No. | Q6002 | | | | Q6003 | | | | Q6004 | | | | Q6305 | | | | Q6401 | | | |
| MODE | E | C | B | | E | C | B | | E | C | B | | E | C | B | | E | C | B | |
| REC | 2.2 | 0 | 1.6 | | 2.9 | 5.0 | 3.6 | | 1.4 | 0 | 0.8 | | 5.1 | 5.7 | 5.9 | | 0 | 12.0 | 0 | |
| PLAY | 2.2 | 0 | 1.6 | | 2.9 | 5.0 | 3.6 | | 1.4 | 0 | 0.8 | | 5.1 | 5.7 | 5.9 | | 0 | 12.0 | 0 | |
| STOP | 2.2 | 0 | 1.6 | | 2.9 | 5.0 | 3.6 | | 1.4 | 0 | 0.8 | | 5.1 | 5.7 | 5.9 | | 0 | 12.0 | 0 | |
| Ref No. | Q7401 | | | | Q7402 | | | | Q7403 | | | | Q7901 | | | | Q7902 | | | |
| MODE | E | C | B | | E | C | B | | E | C | B | | E | C | B | | E | C | B | |
| REC | 0 | 0.1 | 0.6 | | 0 | 0.1 | 0.6 | | 4.0 | 0 | 3.4 | | 0 | 11.3 | -0.4 | | 0 | -0.4 | -0.5 | |
| PLAY | 0 | 0.1 | 0.6 | | 0 | 0.1 | 0.6 | | 4.0 | 0 | 3.4 | | 0 | 11.3 | -0.4 | | 0 | -0.4 | -0.5 | |
| STOP | 0 | 0.1 | 0.6 | | 0 | 0.1 | 0.6 | | 4.0 | 0 | 3.4 | | 0 | 11.1 | -0.4 | | 0 | -0.4 | -0.5 | |
| Ref No. | Q23001 | | | | Q24002 | | | | Q24003 | | | | Q37501 | | | | Q37502 | | | |
| MODE | E | C | B | | E | C | B | | E | C | B | | E | C | B | | E | C | B | |
| REC | 1.7 | 0 | 1.0 | | 0 | 0 | 0 | | 0 | 0 | -0.1 | | 0 | 5.0 | 0 | | 0 | 0 | 0.5 | |
| PLAY | 1.7 | 0 | 1.0 | | 0 | 0 | 0 | | 0 | 0 | -0.1 | | 0 | 5.0 | 0 | | 0 | 0 | 0.5 | |
| STOP | 1.7 | 0 | 1.0 | | 0 | 0 | 0 | | 0 | 0 | -0.1 | | 0 | 5.0 | 0 | | 0 | 0 | 0.6 | |
| Ref No. | Q37513 | | | | | | | | | | | | | | | | | | | |
| MODE | E | C | B | | | | | | | | | | | | | | | | | |
| REC | 0 | 4.3 | -0.1 | | | | | | | | | | | | | | | | | |
| PLAY | 0 | 4.3 | -0.1 | | | | | | | | | | | | | | | | | |
| STOP | 0 | 4.3 | 0 | | | | | | | | | | | | | | | | | |

| Ref No. | QR3001 | | | QR3002 | | | QR3003 | | | QR3004 | | | QR3005 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | E | C | B | E | C | B | E | C | B | E | C | B | E | C | B |
| REC | 0 | 0 | 4.2 | 0 | 0 | 4.7 | 0 | 2.2 | 0 | 0 | 4.2 | 0 | 0 | 0.1 | 0 |
| PLAY | 0 | 0 | 4.2 | 0 | 0 | 4.7 | 0 | 2.2 | 0 | 0 | 4.2 | 0 | 0 | 0.1 | 0 |
| STOP | 0 | 0 | 4.2 | 0 | 0 | 4.7 | 0 | 2.2 | 0 | 0 | 4.2 | 0 | 0 | 0.1 | 0 |
| Ref No. | QR3501 | | | QR3701 | | | QR3901 | | | QR3902 | | | QR3903 | | |
| MODE | E | C | B | E | C | B | E | C | B | E | C | B | E | C | B |
| REC | 0 | 4.7 | 0 | 5.8 | -0.5 | 5.8 | 0 | 4.0 | 0 | 0 | 5.4 | 0 | 0 | 5.0 | 0 |
| PLAY | 0 | 4.7 | 0 | 5.8 | -0.5 | 5.8 | 0 | 4.0 | 0 | 0 | 5.4 | 0 | 0 | 5.0 | 0 |
| STOP | 0 | 4.7 | 0 | 5.8 | -0.1 | 5.8 | 0 | 4.0 | 0 | 0 | 5.4 | 0 | 0 | 5.0 | 0 |
| Ref No. | QR3908 | | | QR3913 | | | QR4003 | | | QR4004 | | | QR4005 | | |
| MODE | E | C | B | E | C | B | E | C | B | E | C | B | E | C | B |
| REC | 0 | 0 | 3.6 | 0 | 5.0 | 0 | 0 | 0 | 0 | 5.1 | 5.0 | 0 | 0 | 0.1 | 4.7 |
| PLAY | 0 | 0 | 3.6 | 0 | 5.0 | 0 | 0 | 0 | 0 | 5.1 | 5.0 | 0 | 0 | 0.1 | 4.7 |
| STOP | 0 | 0 | 3.6 | 0 | 5.0 | 0 | 0 | 0 | 0 | 5.1 | 5.0 | 0 | 0 | 5.7 | 0 |
| Ref No. | QR4501 | | | QR4502 | | | QR4503 | | | | | QR4504 | | | |
| MODE | E | C | B | E | C | B | 1 | 2 | 3 | 4 | 5 | | E | C | B |
| REC | 0 | -0.2 | 0 | | | | 0 | 0 | -0.2 | 0 | -0.2 | | | | |
| PLAY | 0 | -0.2 | 0 | | | | 0 | 0 | -0.2 | 0 | -0.2 | | | | |
| STOP | 0 | -0.2 | 0 | | | | 0 | 0 | -0.2 | 0 | -0.2 | | | | |
| Ref No. | QR6402 | | | QR6403 | | | QR7401 | | | QR7402 | | | QR23901 | | |
| MODE | E | C | B | E | C | B | E | C | B | E | C | B | E | C | B |
| REC | 0 | 0 | -0.1 | 0 | 0 | 4.8 | 37.0 | 36.9 | 0.1 | 37.0 | 36.9 | 0.1 | 0 | -0.2 | 0 |
| PLAY | 0 | 0 | -0.1 | 0 | 0 | 4.8 | 37.0 | 36.9 | 0.1 | 37.0 | 36.9 | 0.1 | 0 | -0.2 | 0 |
| STOP | 0 | 0 | 0 | 0 | 0 | 4.8 | 36.9 | 36.8 | 0.1 | 36.9 | 36.8 | 0.1 | 0 | -0.2 | 0 |
| Ref No. | QR23902 | | | QR23903 | | | | | | | | | | | |
| MODE | E | C | B | E | C | B | | | | | | | | | |
| REC | 0 | 0 | -0.2 | 0 | 0 | -0.2 | | | | | | | | | |
| PLAY | 0 | 0 | -0.2 | 0 | 0 | -0.2 | | | | | | | | | |
| STOP | 0 | 0 | -0.2 | 0 | 0 | -0.2 | | | | | | | | | |

GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H )
AI:Audio I/O Section(Page: I )

IC50001
C3ABPG000067
(16bit/64M SDRAM)

IC50002
C3ABPG000067
(16bit/64M SDRAM)

IC6001
MN2DS0010-H
(AVDEC/MAIN CPU)

IC6003
C3CBLD000088
(8Mbit LOADER)

IC6004
C0JBAZ001466
( 8bit BUFFER/ DRIVER )

IC6005
C3ABQG000068
(16bit/128M SDRAM)

IC6002
C0EBE0000130
(RESET)

Q6001
B1ABCF000114
(BUFFER)

Q6002
B1ABCF000114
(BUFFER)

TO DIGITAL JIG
P6002

| | | |
|---|---|---|
| XDIAG | 1 | |
| XRESET | 2 | |
| MSORX | 3 | |
| GND | 4 | |
| D3.3V | 5 | |
| MSOTX | 6 | |

FL50001 F1H034740004
FL50002 F1H034740004
FL50003 F1H034740004
FL50004 F1H034740004
FL6001 F1H034740004
FL6002 F1H034740004
FL6003 F1H034740004
FL6004 F1H034740004
FL6005 F1H034740004
FL6006 F1H034740004
FL6008 F1H034740004
FL6009 F1H034740004
FL6010 F1H034740004
FL6012 F1H034740004
FL6022 F1H034740004
FL6023 F1H034740004

LB50002 J0JHC0000032
LB50003 J0JHC0000032
LB50004 J0JHC0000032
LB50005 J0JHC0000032
LB6001 J0JHC0000032
LB6002 J0JHC0000032

GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)

IC6001
MN2DS0010-H
(AVDEC/MAIN CPU)

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
AV Decoder/Main CPU Section
(Digital P.C.B.(3/4))
Schematic Diagram (MC)

DMR-E75VEB/EG AV Decoder/Main CPU Section (Digital P.C.B.(3/4)) Schematic Diagram (MC)

AUDIO MAIN SIGNAL PATH IN REC MODE

TO PK7403
MAIN P.C.B.
(Hi-Fi AUDIO SEC.)
PK7301

| | |
|---|---|
| SIF | 1 |
| GND | 2 |
| TU AUDIO IN | 3 |
| | 4 |
| | 5 |
| | 6 |
| JC 5V | 7 |

TO PK7404
MAIN P.C.B.
(Hi-Fi AUDIO SEC.)
PK7302

| | |
|---|---|
| SCL | 1 |
| SDA | 2 |
| | 3 |
| DECODER AUDIO(R) | 4 |
| GND | 5 |
| DECODER AUDIO(L) | 6 |

C7335 0.1
C7305 6V100
IC7302
C0EAH0000051
(RESET)
IN G OUT
L7303 G0C1R0JA0019
LB7303 J0JCC0000080
C7303 6V100
C7306 0.01
C7334 50V2.2
C7311 100P
R7304 100
C7301 0.1
R7301 0
C7302 0
C7309 100P
C7310 100P
C7308 10P
C7307 10P
E75VEB
R7319 J0JCC0000103
R7317 J0JCC0000103
E75VEG
R7319 0
R7317 0
E75VEB

K7302 0
K7301 0
K7305 0
K7303 0
R7322 0
C7330 8200
X7301 H0D245500016
C7329 0
C7332 0.1
R7307 0
C7333 0.1

IC7301
C1AB00001404(NICAM/A2)

| | | | |
|---|---|---|---|
| 22 | TEST1 | 11 | TP1 |
| 21 | VDDA2 | 10 | NICAM |
| 20 | VSSA2 | 9 | TP2 |
| 19 | ADDR2 | 8 | VDEC2 |
| 18 | 1 REF | 7 | VSSD2 |
| 17 | TEST2 | 6 | VDDD1 |
| 16 | TP3 | 5 | VSSD1 |
| 15 | XTALI | 4 | VSSA1 |
| 14 | XTALO | 3 | VDDA1 |
| 13 | ADDR1 | 2 | OUT R |
| 12 | PCLK | 1 | OUT L |
| 23 | SIF2 | | |
| 24 | VREF1 | | |
| 25 | SIF1 | | |
| 26 | CRESET | | |
| 27 | VSSA3 | | |
| 28 | VDDA3 | | |
| 29 | SCL | | |
| 30 | SDA | | |
| 31 | SDO/LPF | | |
| 32 | WS/AF20 | | |
| 33 | SCK/AF21 | | |
| 34 | SYS CLK/CTRIG | | |
| 35 | VDDD3 | | |
| 36 | VSSD3 | | |
| 37 | P1 | | |
| 38 | MONO IN | | |
| 39 | EXTIR | | |
| 40 | EXTIL | | |
| 41 | V REF2 | | |
| 42 | P2 | | |
| 43 | OUT M | | |
| 44 | VSSA4 | | |

R7324 100
R7325 100
LB7301 J0JCC0000124
C7323 1000P
C7324 0.1
R7312 220
R7313 220
R7309 10K
TL7301
TL7302
R7311 220
R7314 0
C7318 16V10
LB7302 J0JCC0000124
C7317 16V47
TL7303
C7313 16V10
C7312 16V10
R7315 0
C7314 0.1

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM
FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
Nicam Decoder(A)
Schematic Diagram (For DVD)

AUDIO MAIN SIGNAL PATH IN REC MODE

TO PK7401
MAIN P.C.B.
(Hi-Fi AUDIO SEC.)
PK7301

| | |
|---|---|
| SIF | 1 |
| GND | 2 |
| TU AUDIO IN | 3 |
| | 4 |
| | 5 |
| | 6 |
| JC 5V | 7 |

C7335 0.1
C7305 6V100
IC7302
C0EAH0000051
(RESET)
IN G OUT
1 2 3
L7303 G0C1R0JA0019
LB7303 J0JCC0000080
C7303 6V100
C7306 0.01
C7334 50V2.2
C7311 100P
R7304 100
C7301 0.1
R7301 0
C7302 0

TO PK7402
MAIN P.C.B.
(Hi-Fi AUDIO SEC.)
PK7302

| | |
|---|---|
| SCL | 1 |
| SDA | 2 |
| | 3 |
| DECODER AUDIO(R) | 4 |
| GND | 5 |
| DECODER AUDIO(L) | 6 |

C7309 100P
C7310 100P
C7308 10P
C7307 10P
E75VEB
R7319 J0JCC0000103
R7317 J0JCC0000103
E75VEG
R7319 0
R7317 0
E75VEB

K7302 0
K7301 0
K7305 0
K7303 0
R7322 0
C7330 8200
X7301 H0D245500016
C7329 0
C7332 0.1
R7307 0
C7333 0.1

IC7301
C1AB00001404(NICAM/A2)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEST1 | VDDA2 | VSSA2 | ADDR2 | 1 REF | TEST2 | TP3 | XTALI | XTALO | ADDR1 | PCLK | | |
| 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | | |
| 23 SIF2 | | | | | | | | | | | TP1 | 11 |
| 24 VREF1 | | | | | | | | | | | NICAM | 10 |
| 25 SIF1 | | | | | | | | | | | TP2 | 9 |
| 26 CRESET | | | | | | | | | | | VDEC2 | 8 |
| 27 VSSA3 | | | | | | | | | | | VSSD2 | 7 |
| 28 VDDA3 | | | | | | | | | | | VDDD1 | 6 |
| 29 SCL | | | | | | | | | | | VSSD1 | 5 |
| 30 SDA | | | | | | | | | | | VSSA1 | 4 |
| 31 SDO/LPF | | | | | | | | | | | VDDA1 | 3 |
| 32 WS/AF20 | | | | | | | | | | | OUT R | 2 |
| 33 SCK/AF21 | | | | | | | | | | | OUT L | 1 |
| SYS CLK/CTRIG | VDDD3 | VSSD3 | P1 | MONO IN | EXTIR | EXTIL | V REF2 | P2 | OUT M | VSSA4 | | |
| 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | | |

R7324 100
R7325 100
LB7301 J0JCC0000124
C7323 1000P
C7324 0.1
R7312 220
R7313 220
R7309 10K
TL7301
TL7302
LB7302 J0JCC0000124
C7317 16V47
TL7303
R7310 220
R7314 0
C7318 16V10
C7313 16V10
C7312 16V10
R7315 0
C7314 0.1

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM
FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

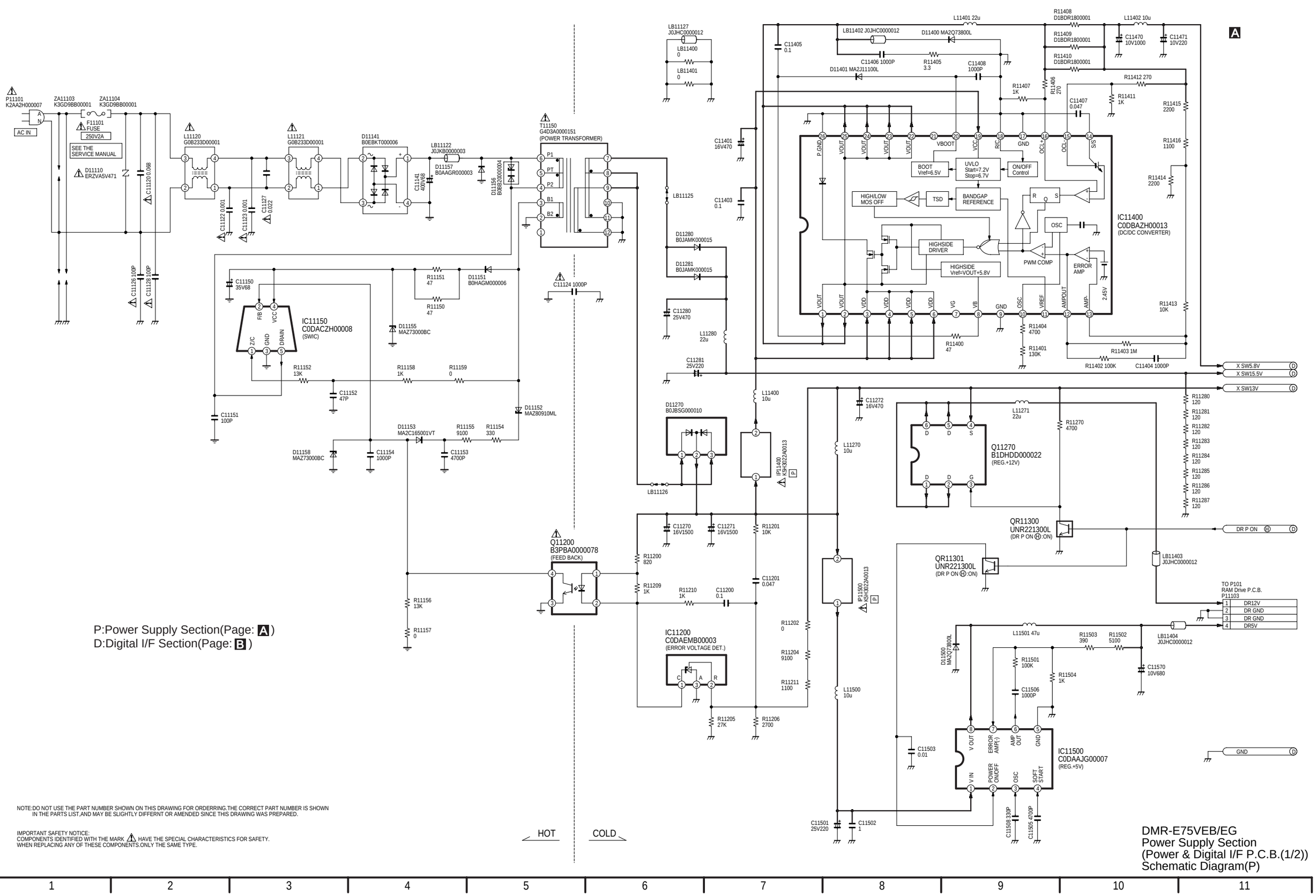
DMR-E75VEB/EG
Nicam Decoder(B)
Schematic Diagram (For VHS)

| Ref No. | IC7301 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| REC | 2.5 | 2.5 | 5.0 | 0 | 0 | 4.9 | 0 | 0 | 0 | 0.2 | 0 | 0.1 | 0 | 1.6 | 1.5 | 0 | 0 | 2.0 | 0 | 0 |
| PLAY | 2.5 | 2.5 | 5.0 | 0 | 0 | 4.9 | 0 | 0 | 0 | 0.3 | 0 | 0.3 | 0 | 1.6 | 1.5 | 0 | 0 | 2.0 | 0 | 0 |
| STOP | 2.5 | 2.5 | 5.0 | 0 | 0 | 4.9 | 0 | 0 | 0 | 0.3 | 0 | 0.2 | 0 | 1.6 | 1.5 | 0 | 0 | 2.0 | 0 | 0 |

| Ref No. | IC7301 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| REC | 3.3 | 0 | 2.0 | 2.0 | 2.0 | 4.9 | 0 | 5.0 | 4.5 | 4.2 | 0.3 | 0.2 | 0.2 | 0.2 | 5.0 | 0 | 4.9 | 2.5 | 2.5 | 2.5 |
| PLAY | 3.3 | 0 | 2.0 | 2.0 | 2.0 | 4.9 | 0 | 5.0 | 4.5 | 4.2 | 0.3 | 0 | 0.2 | 0.2 | 5.0 | 0 | 4.9 | 2.5 | 2.5 | 2.5 |
| STOP | 3.3 | 0 | 2.0 | 2.0 | 2.0 | 4.9 | 0 | 5.0 | 4.5 | 4.2 | 0.3 | 0.3 | 0.3 | 0.2 | 5.0 | 0 | 4.9 | 2.5 | 2.5 | 2.5 |

| Ref No. | IC7301 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 41 | 42 | 43 | 44 | | | | | | | | | | | | | | | | |
| REC | 2.5 | 4.9 | 2.5 | 0 | | | | | | | | | | | | | | | | |
| PLAY | 2.5 | 4.9 | 2.5 | 0 | | | | | | | | | | | | | | | | |
| STOP | 2.5 | 4.9 | 2.5 | 0 | | | | | | | | | | | | | | | | |

| Ref No. | IC7302 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | | | | | | | | | | | | | | | | | |
| REC | 5.0 | 0 | 4.9 | | | | | | | | | | | | | | | | | |
| PLAY | 5.0 | 0 | 4.9 | | | | | | | | | | | | | | | | | |
| STOP | 5.0 | 0 | 4.9 | | | | | | | | | | | | | | | | | |



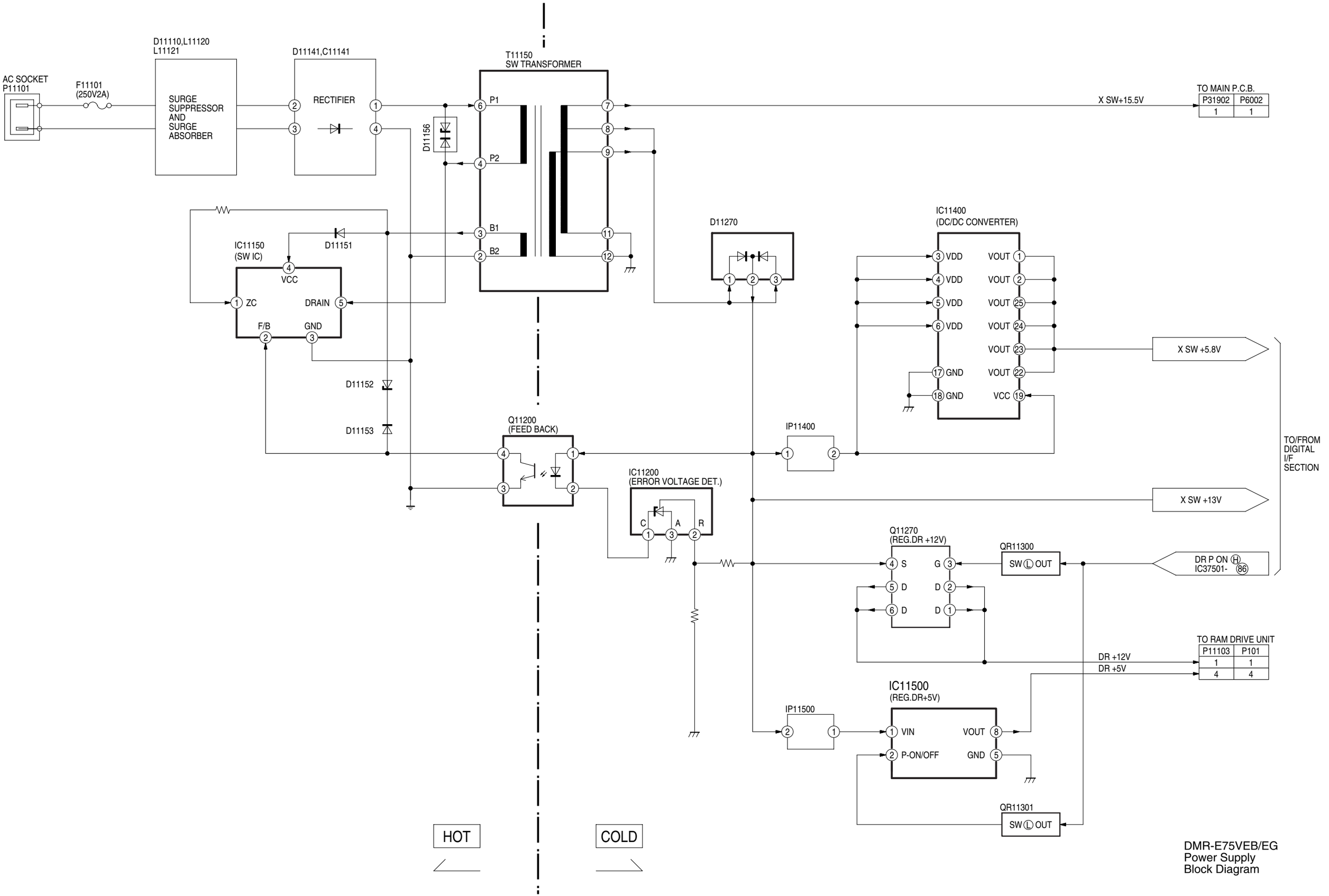

P:Power Supply Section(Page: A )
D:Digital I/F Section(Page: B )

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERRING.THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS.ONLY THE SAME TYPE.

HOT COLD

DMR-E75VEB/EG
Power Supply Section
(Power & Digital I/F P.C.B.(1/2))
Schematic Diagram(P)

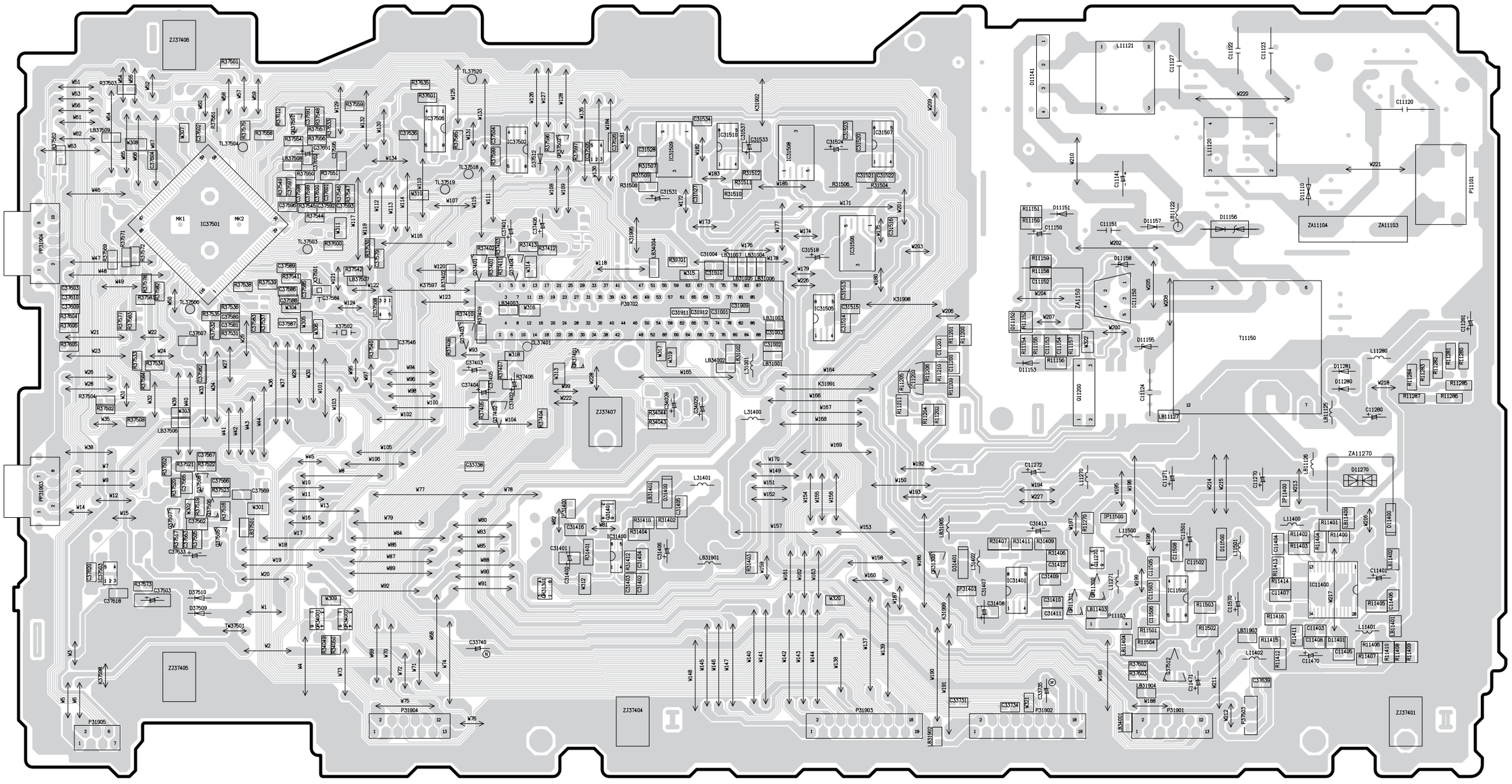



DMR-E75VEB/EG
Power Supply
Block Diagram

## Power&Digital I/F P.C.B.

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Integrated Circuit** | | D11155 | C-7 | LB37509 | D-1 | C31534 | E-5 | R11156 | C-7 | R37405 | C-3 | R37603 | A-7 | | |
| IC11150 | D-7 | D11156 | D-8 | **Capacitor** | | C31537 | D-5 | R11157 | C-7 | R37406 | C-4 | R37604 | C-1 | | |
| IC11200 | C-6 | D11157 | D-7 | C11120 | E-9 | C31909 | C-5 | R11158 | D-7 | R37407 | C-4 | R37605 | C-1 | | |
| IC11400 | B-8 | D11158 | D-7 | C11122 | E-8 | C31910 | D-5 | R11159 | D-7 | R37408 | C-3 | R37606 | C-1 | | |
| IC11500 | B-7 | D11270 | C-8 | C11123 | E-8 | C31911 | C-4 | R11200 | C-6 | R37409 | C-3 | R37612 | E-2 | | |
| IC31400 | B-4 | D11280 | C-8 | C11124 | C-7 | C31912 | C-5 | R11201 | C-6 | R37410 | C-3 | R37633 | D-3 | | |
| IC31401 | B-6 | D11281 | C-8 | C11127 | E-7 | C33731 | A-6 | R11202 | C-6 | R37411 | D-3 | R37635 | E-3 | | |
| IC31505 | C-5 | D11400 | B-8 | C11141 | D-7 | C33734 | A-6 | R11204 | C-6 | R37412 | D-4 | R39701 | D-4 | | |
| IC31506 | D-5 | D11401 | B-8 | C11150 | D-7 | C33735 | A-7 | R11205 | C-6 | R37413 | D-4 | **Transformer** | | | |
| IC31507 | D-6 | D11500 | B-8 | C11151 | D-7 | C33738 | C-3 | R11206 | C-6 | R37501 | E-2 | T11150 | C-8 | | |
| IC31508 | D-5 | D31400 | B-4 | C11152 | D-7 | C33740 | B-3 | R11209 | C-6 | R37502 | C-1 | | | | |
| IC31509 | D-4 | D31401 | B-6 | C11153 | C-7 | C34028 | C-4 | R11210 | C-6 | R37503 | E-1 | | | | |
| IC31510 | D-5 | D37509 | B-2 | C11154 | C-7 | C34029 | C-5 | R11211 | C-6 | R37504 | C-1 | | | | |
| IC37501 | D-2 | D37510 | B-2 | C11200 | C-6 | C37401 | D-4 | R11270 | B-7 | R37505 | B-2 | | | | |
| IC37502 | D-4 | D37512 | D-4 | C11201 | C-6 | C37402 | C-4 | R11280 | C-9 | R37508 | C-1 | | | | |
| IC37503 | B-1 | **Crystal Osillator** | | C11270 | C-8 | C37403 | C-3 | R11281 | C-9 | R37516 | B-2 | | | | |
| IC37505 | D-4 | X37501 | D-2 | C11271 | C-7 | C37404 | C-3 | R11282 | C-9 | R37517 | B-2 | | | | |
| IC37506 | D-3 | X37502 | C-3 | C11272 | C-6 | C37405 | C-3 | R11283 | C-9 | R37519 | B-2 | | | | |
| IC37508 | C-3 | **IC Protector** | | C11280 | C-8 | C37406 | D-4 | R11284 | C-9 | R37520 | B-2 | | | | |
| **Transistor** | | IP11400 | B-8 | C11281 | C-9 | C37503 | B-2 | R11285 | C-9 | R37521 | C-2 | | | | |
| Q11200 | C-7 | IP11500 | B-7 | C11401 | B-8 | C37504 | D-3 | R11286 | C-9 | R37522 | C-2 | | | | |
| Q11270 | B-7 | IP31400 | B-4 | C11403 | B-8 | C37546 | C-3 | R11287 | C-9 | R37523 | B-2 | | | | |
| Q31401 | B-4 | IP31401 | B-6 | C11404 | B-8 | C37562 | B-2 | R11400 | B-8 | R37530 | D-3 | | | | |
| Q37401 | D-3 | **Coil** | | C11405 | B-8 | C37563 | B-2 | R11401 | B-8 | R37531 | C-2 | | | | |
| Q37402 | C-3 | L11120 | D-8 | C11406 | B-8 | C37565 | B-2 | R11402 | B-8 | R37532 | C-2 | | | | |
| Q37403 | C-3 | L11121 | E-7 | C11407 | B-8 | C37566 | B-2 | R11403 | B-8 | R37533 | C-1 | | | | |
| Q37404 | D-4 | L11270 | C-7 | C11408 | B-8 | C37567 | C-2 | R11404 | B-8 | R37534 | C-2 | | | | |
| Q37505 | B-2 | L11271 | B-7 | C11470 | B-8 | C37569 | B-2 | R11405 | B-8 | R37535 | C-2 | | | | |
| Q37506 | B-2 | L11280 | C-8 | C11471 | A-7 | C37579 | D-3 | R11406 | B-8 | R37536 | C-2 | | | | |
| Q37507 | B-2 | L11400 | B-8 | C11501 | B-7 | C37580 | C-2 | R11407 | B-8 | R37537 | C-2 | | | | |
| Q37508 | B-2 | L11401 | B-8 | C11502 | B-7 | C37581 | C-2 | R11408 | B-9 | R37538 | D-2 | | | | |
| Q37512 | A-7 | L11402 | B-8 | C11503 | B-7 | C37582 | C-2 | R11409 | B-9 | R37539 | D-2 | | | | |
| **Transistor-resistor** | | L11500 | B-7 | C11505 | B-7 | C37583 | C-2 | R11410 | B-8 | R37540 | C-3 | | | | |
| QR11300 | B-7 | L11501 | B-8 | C11506 | B-7 | C37584 | D-2 | R11411 | B-8 | R37541 | D-2 | | | | |
| QR11301 | B-7 | L31001 | C-5 | C11508 | B-7 | C37585 | D-2 | R11412 | B-8 | R37542 | D-3 | | | | |
| QR31300 | B-6 | L31400 | C-5 | C11570 | B-8 | C37586 | D-2 | R11413 | B-8 | R37544 | D-2 | | | | |
| QR31301 | B-4 | L31401 | B-5 | C31001 | C-5 | C37587 | C-2 | R11414 | B-8 | R37545 | D-2 | | | | |
| QR34001 | B-2 | L31402 | B-6 | C31002 | C-5 | C37588 | D-2 | R11415 | B-8 | R37546 | D-3 | | | | |
| QR34002 | B-3 | LB11122 | D-7 | C31003 | C-5 | C37589 | D-2 | R11416 | B-8 | R37547 | D-3 | | | | |
| QR37401 | C-4 | LB11125 | C-8 | C31004 | D-5 | C37591 | E-2 | R11501 | B-7 | R37548 | E-2 | | | | |
| QR37501 | E-2 | LB11126 | C-8 | C31400 | B-4 | C37592 | D-3 | R11502 | B-7 | R37549 | D-2 | | | | |
| QR37502 | D-4 | LB11127 | C-7 | C31401 | B-4 | C37593 | D-3 | R11503 | B-7 | R37550 | D-2 | | | | |
| **Test Point** | | LB11400 | B-8 | C31402 | B-4 | C37595 | D-3 | R11504 | B-7 | R37551 | D-3 | | | | |
| CL37401 | C-4 | LB11401 | B-9 | C31403 | B-4 | C37596 | D-2 | R31401 | B-4 | R37552 | C-2 | | | | |
| TL37503 | D-2 | LB11402 | B-8 | C31404 | B-4 | C37597 | D-2 | R31402 | B-4 | R37554 | D-2 | | | | |
| TL37504 | D-2 | LB11403 | B-7 | C31405 | B-5 | C37598 | D-2 | R31403 | B-5 | R37556 | D-2 | | | | |
| TL37518 | D-3 | LB11404 | B-7 | C31406 | B-4 | C37599 | D-2 | R31404 | B-4 | R37557 | D-2 | | | | |
| TL37519 | D-3 | LB31001 | C-5 | C31407 | B-6 | C37600 | D-2 | R31406 | B-7 | R37558 | D-2 | | | | |
| TL37520 | E-3 | LB31002 | C-5 | C31408 | B-6 | C37601 | D-3 | R31407 | B-6 | R37559 | E-3 | | | | |
| TL37566 | C-2 | LB31003 | C-5 | C31409 | B-7 | C37602 | D-2 | R31409 | B-7 | R37561 | E-2 | | | | |
| TW37501 | B-2 | LB31004 | D-5 | C31410 | B-7 | C37603 | D-1 | R31410 | B-4 | R37562 | D-1 | | | | |
| **Connector** | | LB31005 | D-5 | C31411 | B-7 | C37604 | D-2 | R31411 | B-6 | R37569 | D-1 | | | | |
| P11101 | D-9 | LB31006 | D-5 | C31412 | B-7 | C37607 | C-2 | R31412 | B-4 | R37571 | D-1 | | | | |
| P11103 | B-7 | LB31007 | D-5 | C31413 | B-7 | C37609 | C-1 | R31504 | D-6 | R37572 | D-1 | | | | |
| P31901 | A-7 | LB31401 | B-4 | C31416 | B-4 | C37610 | D-1 | R31506 | D-5 | R37573 | B-1 | | | | |
| P31902 | A-6 | LB31901 | B-5 | C31513 | D-5 | C37618 | B-1 | R31507 | D-4 | R37575 | D-2 | | | | |
| P31903 | A-6 | LB31902 | A-6 | C31514 | C-5 | C37620 | B-1 | R31508 | D-4 | R37577 | C-1 | | | | |
| P31904 | A-3 | LB31903 | B-8 | C31515 | C-5 | C37626 | D-4 | R31509 | D-4 | R37578 | D-2 | | | | |
| P31905 | A-1 | LB31904 | A-7 | C31516 | D-6 | C37633 | B-2 | R31510 | D-5 | R37581 | D-2 | | | | |
| P37503 | A-8 | LB31905 | B-6 | C31518 | D-5 | C37636 | D-3 | R31511 | D-5 | R37582 | D-2 | | | | |
| P39702 | C-4 | LB34001 | A-7 | C31520 | D-6 | C37639 | A-8 | R31512 | D-5 | R37583 | C-1 | | | | |
| PP31903 | B-1 | LB34002 | C-5 | C31521 | D-6 | C37651 | D-2 | R34043 | C-4 | R37584 | C-2 | | | | |
| PP31904 | D-1 | LB34003 | C-4 | C31522 | D-6 | C37652 | D-2 | R34044 | C-4 | R37585 | D-3 | | | | |
| **Diode** | | LB34004 | D-4 | C31523 | D-5 | **Resistor** | | R34049 | B-3 | R37596 | D-4 | | | | |
| D11110 | D-8 | LB37402 | D-3 | C31524 | D-5 | R11150 | D-6 | R34050 | B-3 | R37597 | D-4 | | | | |
| D11141 | E-7 | LB37501 | B-2 | C31527 | D-5 | R11151 | D-6 | R37401 | D-3 | R37599 | D-3 | | | | |
| D11151 | D-7 | LB37506 | C-2 | C31528 | D-4 | R11152 | C-6 | R37402 | D-3 | R37600 | D-3 | | | | |
| D11152 | C-6 | LB37507 | D-3 | C31531 | D-4 | R11154 | C-6 | R37403 | D-3 | R37601 | E-3 | | | | |
| D11153 | C-6 | LB37508 | D-2 | C31533 | D-5 | R11155 | C-7 | R37404 | C-4 | R37602 | A-7 | | | | |

## Power & Digital I/F P.C.B.


ZJ37406
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IC31509
IC31510
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IC31507
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IC11500
IC31401
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T11150
ZA11104
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ZA11270
P11101
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| Ref No. | IC11150 | | | | | | IC11200 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | | 1 | 2 | 3 | | | | | | | | | | | | |
| REC | 3.2 | 1.6 | 0 | 13.7 | 3118 | | 10.7 | 2.2 | 0 | | | | | | | | | | | | |
| PLAY | 3.2 | 1.6 | 0 | 13.7 | 3118 | | 10.7 | 2.2 | 0 | | | | | | | | | | | | |
| STOP | 3.2 | 1.6 | 0 | 13.7 | 3118 | | 10.7 | 2.5 | 0 | | | | | | | | | | | | |
| Ref No. | IC11400 | | | | | | | | | | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| REC | 6.3 | 6.4 | 12.7 | 12.7 | 12.7 | 12.7 | 5.6 | 12.4 | 0 | 2.3 | 4.9 | 2.2 | 2.4 | 4.4 | 4.7 | 4.8 | 0 | 0 | 12.7 | 6.7 | |
| PLAY | 6.3 | 6.4 | 12.7 | 12.7 | 12.7 | 12.7 | 5.6 | 12.4 | 0 | 2.3 | 4.9 | 2.2 | 2.4 | 4.4 | 4.7 | 4.8 | 0 | 0 | 12.7 | 6.7 | |
| STOP | 6.1 | 6.2 | 12.7 | 12.7 | 12.7 | 12.7 | 5.2 | 12.3 | 0 | 2.3 | 4.9 | 2.2 | 2.4 | 4.4 | 4.7 | 4.8 | 0 | 0 | 12.7 | 6.7 | |
| Ref No. | IC11400 | | | | | | | | | | | | | | | | | | | | |
| MODE | 21 | 22 | 23 | 24 | 25 | 26 | | | | | | | | | | | | | | | |
| REC | 2.3 | 6.0 | 6.0 | 6.0 | 6.0 | 0 | | | | | | | | | | | | | | | |
| PLAY | 2.3 | 6.0 | 6.0 | 6.0 | 6.0 | 0 | | | | | | | | | | | | | | | |
| STOP | 2.4 | 5.8 | 5.8 | 5.7 | 5.7 | 0 | | | | | | | | | | | | | | | |
| Ref No. | IC11500 | | | | | | | | | IC31400 | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |
| REC | 12.7 | 0 | 1.5 | 4.1 | 0 | 1.4 | 0.8 | 8.4 | | 12.7 | 4.4 | 1.2 | 1.3 | 1.2 | 0 | 10.8 | 12.7 | | | | |
| PLAY | 12.7 | 0 | 1.5 | 4.1 | 0 | 1.4 | 0.8 | 8.4 | | 12.7 | 4.4 | 1.2 | 1.3 | 1.2 | 0 | 10.8 | 12.7 | | | | |
| STOP | 12.7 | 0 | 1.5 | 4.1 | 0 | 1.4 | 0.8 | 8.2 | | 12.7 | 4.5 | 1.2 | 1.3 | 1.2 | 0 | 10.7 | 12.7 | | | | |
| Ref No. | IC31401 | | | | | | | | | IC31505 | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | |
| REC | 12.7 | 0 | 1.5 | 4.2 | 0 | 1.2 | 0.8 | 3.8 | | 5.2 | 0 | 0 | 3.3 | 0 | 0 | 0 | 5.9 | | | | |
| PLAY | 12.7 | 0 | 1.5 | 4.2 | 0 | 1.2 | 0.8 | 3.8 | | 5.2 | 0 | 0 | 3.3 | 0 | 0 | 0 | 5.9 | | | | |
| STOP | 12.7 | 0 | 1.5 | 4.2 | 0 | 1.1 | 0.8 | 3.6 | | 5.2 | 0 | 0 | 3.3 | 5.9 | 0 | 0 | 5.9 | | | | |
| Ref No. | IC31506 | | | | | | IC31507 | | | | | | | | | IC31508 | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | 1 | 2 | 3 | 4 | 5 | |
| REC | 5.9 | 4.8 | 5.0 | 0 | 0 | | 5.0 | 0 | 0 | 3.1 | 4.8 | 0 | 0 | 5.9 | | 5.9 | 4.8 | 3.3 | 0 | 0 | |
| PLAY | 5.9 | 4.8 | 5.0 | 0 | 0 | | 5.0 | 0 | 0 | 3.1 | 4.8 | 0 | 0 | 5.9 | | 5.9 | 4.8 | 3.3 | 0 | 0 | |
| STOP | 5.9 | 4.8 | 5.0 | 0 | 0 | | 5.0 | 0 | 0 | 3.1 | 4.8 | 0 | 0 | 5.9 | | 5.9 | 4.8 | 3.3 | 0 | 0 | |
| Ref No. | IC31509 | | | | | | IC31510 | | | | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | | | | |
| REC | 2.0 | 3.5 | 1.2 | 1.0 | 0 | | 1.5 | 0.8 | 3.5 | 3.5 | 0 | 0 | 2.0 | 2.0 | | | | | | | |
| PLAY | 2.0 | 3.5 | 1.2 | 1.0 | 0 | | 1.5 | 0.8 | 3.5 | 3.5 | 0 | 0 | 2.0 | 2.0 | | | | | | | |
| STOP | 2.0 | 3.5 | 1.2 | 1.0 | 0 | | 1.5 | 0.8 | 3.5 | 3.5 | 0 | 0 | 2.0 | 2.0 | | | | | | | |
| Ref No. | IC37501 | | | | | | | | | | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| REC | 4.8 | 5.1 | 4.3 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 4.8 | 1.7 | 0 | 0 | 4.8 | 4.8 | 5.0 | 5.1 | 0.3 | 0 | |
| PLAY | 4.8 | 5.1 | 4.3 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.2 | 4.8 | 1.7 | 0 | 0 | 4.8 | 4.8 | 5.0 | 5.1 | 0.3 | 0 | |
| STOP | 4.8 | 5.1 | 4.3 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 4.8 | 1.7 | 0 | 0 | 4.8 | 4.8 | 0 | 0 | 0 | 4.8 | |
| Ref No. | IC37501 | | | | | | | | | | | | | | | | | | | | |
| MODE | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | |
| REC | 0 | 0 | 0 | 0 | 0 | 0 | 4.8 | 4.6 | 4.2 | 0 | 1.8 | 1.6 | 1.9 | 4.8 | 2.6 | 0 | 0.3 | 4.7 | 5.0 | 5.1 | |
| PLAY | 0 | 0 | 0 | 0 | 0 | 0 | 4.8 | 4.6 | 4.2 | 0 | 1.8 | 1.6 | 1.9 | 4.8 | 2.6 | 0 | 0.3 | 4.7 | 5.0 | 5.1 | |
| STOP | 0 | 0 | 1.8 | 0 | 0 | 0 | 4.8 | 4.6 | 4.2 | 0 | 1.8 | 1.7 | 1.9 | 4.8 | 2.6 | 0 | 0.4 | 4.7 | 5.0 | 5.1 | |
| Ref No. | IC37501 | | | | | | | | | | | | | | | | | | | | |
| MODE | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | |
| REC | 0 | 2.1 | 3.9 | 4.3 | 0 | 4.8 | 3.7 | 0 | 0 | 0 | 0 | 4.8 | 5.0 | 0 | 0 | 4.8 | 0 | 0 | 5.0 | 0 | |
| PLAY | 0 | 2.1 | 3.9 | 4.3 | 0 | 4.8 | 3.7 | 0 | 0 | 0 | 0 | 4.8 | 5.0 | 0 | 0 | 4.8 | 0 | 0 | 5.0 | 0 | |
| STOP | 0 | 1.3 | 3.9 | 4.3 | 0 | 4.8 | 3.7 | 0 | 0 | 0 | 0 | 4.8 | 5.1 | 0 | 0 | 4.8 | 0 | 0 | 5.0 | 0 | |
| Ref No. | IC37501 | | | | | | | | | | | | | | | | | | | | |
| MODE | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | |
| REC | 0 | 5.1 | 0 | 2.5 | 0 | 0 | 0 | 0 | 4.8 | 0 | 0 | 5.1 | 0 | 0 | 5.0 | 0 | 0 | 0 | 0 | 5.1 | |
| PLAY | 0 | 5.1 | 0 | 2.5 | 0 | 0 | 0 | 0 | 4.8 | 0 | 0 | 5.1 | 0 | 0 | 5.0 | 0 | 0 | 0 | 0 | 5.1 | |
| STOP | 0 | 5.1 | 0 | 2.5 | 0 | 0 | 0 | 0 | 4.8 | 0 | 0 | 5.1 | 0 | 0 | 5.0 | 0 | 0 | 0 | 0 | 5.1 | |
| Ref No. | IC37501 | | | | | | | | | | | | | | | | | | | | |
| MODE | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | |
| REC | 0 | 4.9 | 0 | 0 | 0 | 4.8 | 0 | 4.8 | 4.8 | 0.1 | 0 | 0 | 0 | 0 | 4.9 | 5.1 | 5.1 | 0 | 4.8 | 0 | |
| PLAY | 0 | 4.9 | 0 | 0 | 0 | 4.8 | 0 | 4.8 | 4.8 | 0.1 | 0 | 0 | 0 | 0 | 4.9 | 5.1 | 5.1 | 0 | 4.8 | 0 | |
| STOP | 0 | 4.9 | 0 | 4.8 | 0 | 4.8 | 0 | 0 | 4.8 | 0.1 | 0 | 0 | 0 | 5.0 | 4.9 | 5.1 | 5.1 | 0 | 4.8 | 0 | |
| Ref No. | IC37501 | | | | | | | | | | | | | | | | | | | | |
| MODE | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | | | | | |
| REC | 0 | 0 | 0 | 5.1 | 5.1 | 4.8 | 5.0 | 4.8 | 2.0 | 1.3 | 0 | 4.9 | 2.0 | 0 | 0 | 5.0 | | | | | |
| PLAY | 0 | 0 | 0 | 5.1 | 5.1 | 4.8 | 5.0 | 4.8 | 2.0 | 1.3 | 0 | 4.9 | 2.0 | 0 | 0 | 5.0 | | | | | |
| STOP | 0 | 0 | 5.1 | 5.1 | 5.1 | 4.8 | 0 | 4.8 | 2.0 | 1.3 | 0 | 0 | 2.0 | 0 | 0 | 5.0 | | | | | |
| Ref No. | IC37502 | | | | | | | | | IC37503 | | | | | | IC37505 | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | 1 | 2 | 3 | 4 | 5 | | 1 | 2 | 3 | 4 | 5 | |
| REC | 0 | 0 | 0 | 0 | 4.3 | 4.6 | 4.8 | 5.1 | | 0 | 5.1 | 5.1 | 0 | 0 | | 2.2 | 3.5 | 0 | 0 | 0 | |
| PLAY | 0 | 0 | 0 | 0 | 4.3 | 4.6 | 4.8 | 5.1 | | 0 | 5.1 | 5.1 | 0 | 0 | | 2.2 | 3.5 | 0 | 0 | 0 | |
| STOP | 0 | 0 | 0 | 0 | 4.3 | 4.6 | 4.9 | 5.1 | | 5.1 | 5.1 | 0 | 0 | 0 | | 2.3 | 3.5 | 0 | 0 | 0 | |
| Ref No. | IC37506 | | | | | | | | | IC37508 | | | | | | | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | 1 | 2 | 3 | 4 | 5 | | | | | | | |
| REC | 5.7 | 1.8 | 1.8 | 0 | 1.8 | 1.8 | 1.8 | 12.7 | | 0 | 0 | 0 | 4.8 | 4.8 | | | | | | | |
| PLAY | 5.7 | 1.8 | 1.8 | 0 | 1.8 | 1.8 | 1.8 | 12.7 | | 0 | 0 | 0 | 4.8 | 4.8 | | | | | | | |
| STOP | 5.7 | 1.8 | 1.8 | 0 | 1.8 | 1.8 | 1.8 | 12.7 | | 0 | 0 | 0 | 4.8 | 4.8 | | | | | | | |

| Ref No. | Q11200 | | | | | Q11270 | | | | | | | Q31401 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | | 1 | 2 | 3 | 4 | 5 | 6 | | 1 | 2 | 3 | 4 | 5 | 6 | | |
| REC | 11.7 | 10.7 | 0 | 1.6 | | 12.7 | 12.7 | 0 | 12.7 | 12.7 | 12.7 | | 0 | 0.9 | 10.9 | 12.7 | 0.9 | 0.9 | | |
| PLAY | 11.7 | 10.7 | 0 | 1.6 | | 12.7 | 12.7 | 0 | 12.7 | 12.7 | 12.7 | | 0 | 0.9 | 10.9 | 12.7 | 0.9 | 0.9 | | |
| STOP | 11.7 | 10.7 | 0 | 1.6 | | 12.7 | 12.7 | 0 | 12.8 | 12.7 | 12.7 | | 0.8 | 0.8 | 10.9 | 0 | 0.8 | 0.8 | | |
| Ref No. | Q37401 | | | | Q37402 | | | | Q37403 | | | | Q37404 | | | | Q37505 | | | |
| MODE | E | C | B | | E | C | B | | E | C | B | | E | C | B | | E | C | B | |
| REC | 1.3 | 5.0 | 1.9 | | 1.3 | 5.0 | 1.9 | | 1.3 | 5.0 | 1.9 | | 1.3 | 5.0 | 1.9 | | 2.5 | 0 | 1.9 | |
| PLAY | 1.3 | 5.0 | 1.9 | | 1.3 | 5.0 | 1.9 | | 1.3 | 5.0 | 1.9 | | 1.3 | 5.0 | 1.9 | | 2.5 | 0 | 1.9 | |
| STOP | 1.3 | 5.0 | 1.9 | | 1.3 | 5.0 | 1.9 | | 1.3 | 5.0 | 1.9 | | 1.3 | 5.0 | 1.9 | | 2.5 | 0 | 1.9 | |
| Ref No. | Q37506 | | | | Q37507 | | | | Q37508 | | | | Q37512 | | | | | | | |
| MODE | E | C | B | | E | C | B | | E | C | B | | E | C | B | | | | | |
| REC | 2.0 | 5.0 | 1.6 | | 2.6 | 0 | 1.9 | | 2.0 | 5.0 | 1.6 | | 5.6 | 12.7 | 5.0 | | | | | |
| PLAY | 2.0 | 5.0 | 1.6 | | 2.6 | 0 | 1.9 | | 2.0 | 5.0 | 1.6 | | 5.6 | 12.7 | 5.0 | | | | | |
| STOP | 2.0 | 5.0 | 1.6 | | 2.6 | 0 | 1.9 | | 2.0 | 5.0 | 1.6 | | 5.6 | 12.7 | 5.0 | | | | | |
| Ref No. | QR11300 | | | | QR11301 | | | | QR31300 | | | | QR31301 | | | | | | | |
| MODE | E | C | B | | E | C | B | | E | C | B | | 1 | 2 | 3 | 4 | 5 | 6 | | |
| REC | 0 | 0 | 4.8 | | 0 | 0 | 4.8 | | 0 | 0 | 4.8 | | 0 | 0 | 0 | 4.4 | 4.8 | 0 | | |
| PLAY | 0 | 0 | 4.8 | | 0 | 0 | 4.8 | | 0 | 0 | 4.8 | | 0 | 0 | 0 | 4.4 | 4.8 | 0 | | |
| STOP | 0 | 0 | 4.8 | | 0 | 0 | 4.8 | | 0 | 0 | 4.8 | | 0 | 0 | 0 | 4.4 | 4.8 | 0 | | |
| Ref No. | QR34001 | | | | | | | QR34002 | | | | | | | QR37401 | | | | | |
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | | 1 | 2 | 3 | 4 | 5 | 6 | | E | C | B | | | |
| REC | 5.8 | 4.8 | 0 | 0 | 0 | 0 | | 5.8 | 2.4 | 0 | 0 | 0 | 0 | | 0 | 4.3 | 0.3 | | | |
| PLAY | 5.8 | 4.8 | 0 | 0 | 0 | 0 | | 5.8 | 2.4 | 0 | 0 | 0 | 0 | | 0 | 4.3 | 0.3 | | | |
| STOP | 5.8 | 4.8 | 0 | 0 | 0 | 0 | | 5.8 | 2.4 | 0 | 0 | 0 | 0 | | 0 | 4.3 | 0.3 | | | |
| Ref No. | QR37501 | | | | QR37502 | | | | | | | | | | | | | | | |
| MODE | E | C | B | | E | C | B | | | | | | | | | | | | | |
| REC | 5.1 | 0 | 5.1 | | 0 | 0 | 2.2 | | | | | | | | | | | | | |
| PLAY | 5.1 | 0 | 5.1 | | 0 | 0 | 2.2 | | | | | | | | | | | | | |
| STOP | 5.1 | 0 | 5.1 | | 0 | 0 | 2.2 | | | | | | | | | | | | | |

S:Syscon/Servo/Timer Section(Page: C )
A:Hi-Fi Audio Section(Page: D)
V:Video Section(Page: E )

TO P31901
POWER & DIGITAL I/F P.C.B.
(DIGITAL I/F SECTION)
P6001

| | |
|---|---|
| X SW5.8V | 1 |
| X SW5.8V | 2 |
| X SW13V | 3 |
| X SW13V | 4 |
| IECOUT | 5 |
| ANA5V | 6 |
| GND | 7 |
| GND | 8 |
| PS5V | 9 |
| | 10 |
| AV2 B IN | 11 |
| AV2 R IN | 12 |
| GND | 13 |

TO P31905
POWER & DIGITAL I/F P.C.B.
(DIGITAL I/F SEC.)
P6005

| | |
|---|---|
| 5.2V | 1 |
| REMOCON | 2 |
| GND | 3 |
| | 4 |
| VTR CS | 5 |
| P SAVE (H) | 6 |
| AD5V | 7 |

TO P31902
POWER & DIGITAL I/F P.C.B.
(DIGITAL I/F SECTION)
P6002

| | |
|---|---|
| X SW15.5V | 1 |
| MGND | 2 |
| GND | 3 |
| CPNCIN DM | 4 |
| GND | 5 |
| V YIN DM | 6 |
| GND | 7 |
| COUT DM | 8 |
| GND | 9 |
| YOUT DM | 10 |
| GND | 11 |
| GPYOUT DM | 12 |
| BPBOUT DM | 13 |
| RPROUT DM | 14 |
| PROUT DM | 15 |
| DGND | 16 |
| DGND | 17 |
| AADC R | 18 |
| AADC L | 19 |

(A) AADC L
(A) AADC R
(A) PROUT DM
(V) V YIN DM
(A) DGND

(V) HPNC (H)
(V) DUB (H)
(V) S-VHS (H)
(V) FSC

MODE SW
S1532
K0ZZ00000598
1 2 3 4 G 5

(V) OSD 5V
(V) OSD V IN

(V) ART V H N
(V) PAL EP (H)
(A)(V) DVD OUT (H)
(V) VIDEO HEAD SW
(A) AUDIO HEAD SW
(A)(V) D REC (H)
(A) ABS NORMAL (L)
(V) BIAS (H)
(A) FM MUTE (H)
(V) TRACKING ENV
(V) FREQ ADJ
(A) RFC A MUTE (H)
(V) CTL HEAD (+)
(V) CTL HEAD (-)

(A) MESECAMDET (H)
(V) 60Hz (H)
(A)(V) VTR P ON (H)

(V) OSD GND

X SW+13V
X SW+15.5V
ANA+5V
X SW+5.8V
AD+5V

TW1343
16V

IC6202
C0EBE0000348
(RESET)
1 OUT
2 +5V
3 GND
5 C6201 6800P

D7751
B0JACE000001

R7751 180
C7752 6V220
C7701 F4D55473A005

IC6201
C0EBH0000172
(P FAIL (L) OUT)
1 OUT
2 +5V
3 GND
5

(RESET) TL6004
TL6002

R6201 10K
C6103 0.01
C6101 0.1
R6031 22K

X6002
H0A327200026
(32KHz)
C6003 18P
C6004 22P
R6003 22K

X6001
H0D120500009
(12MHz)
C6001 18P
C6002 22P
R6002 1K

C6009 0.01
R6001 1K
C6008 470P
C6010 0.01
L6002

C6013 1
R6013 1M
R6012 470
C6017 560P
R6016 1K
R6018 1K

L6003 68u

E75VEG
R6019 1500
C6018 33P
L6001 33u
Q6001
2SB1218A0L
(SECAM MIX)

E75VEB
R6025 47K

C3018 0.1
C6011 0.01
C6007 6V220
Q3001
2SD1819A0L
(BUFFER)
R3006 330

OSD+5V

Q6003
2SD1819A0L
(AMP)
R6020 560
C6006 0.1
L6004 1.5u
R6021 560
R6023 180
Q6002
2SB1218A0L
(AMP)
R6022 1K
R6017 2200
C6015 0.033
C6016 1000P

SAFETY TAB SW
S1531
K0C111A00003

TW2001
HSW

TL6010

R6032 10K
R6014 10K
R6008 2200
R6024 220
R6109 220
R6606 27K
R6607 18K
R6611 18K
C6005 16V10

IC6001
C2CBJGG000369
(SYSCON/SERVO/TIMER)

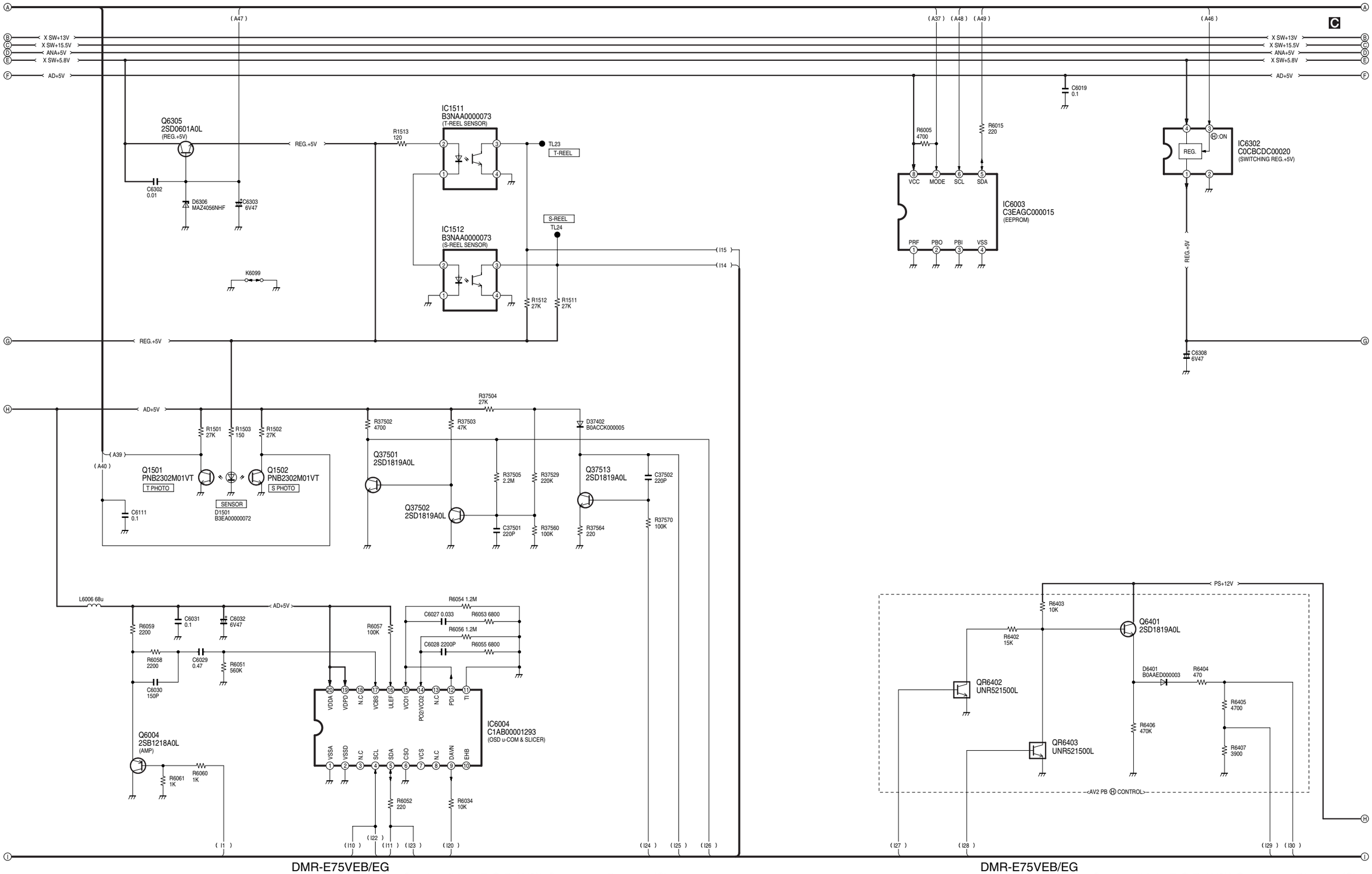
| | | | |
|---|---|---|---|
| 30 | POS.SW4 | 31 | POS.SW3 |
| 29 | NC | 32 | POS.SW2 |
| 28 | FM MUTE (H) | 33 | POS.SW1 |
| 27 | S TAB (L) | 34 | RESET (L) |
| 26 | BIAS (H) | 35 | 32KHz IN |
| 25 | PAL EP (H) | 36 | 32KHz OUT |
| 24 | NC | 37 | 5V(D) |
| 23 | ABS NORMAL (L) | 38 | 12MHz IN |
| 22 | NC | 39 | 12MHz OUT |
| 21 | TEST2 | 40 | GND(OSC) |
| 20 | D.REC (H) | 41 | S-DUB (H) |
| 19 | AUDIO H SW. | 42 | S-VHS (H) |
| 18 | VIDEO H SW. | 43 | 32K.START (L) |
| 17 | NC | 44 | EEP WR |
| 16 | NC | 45 | HPNC (H) |
| 15 | VTR TIMER CS | 46 | GND(NUB) |
| 14 | REMOCON | 47 | FSC.LPF |
| 13 | ART. V/H/N | 48 | OSD FSC IN |
| 12 | FREQ ADJ | 49 | GND(OSD) |
| 11 | CURRENT LIMIT (H) | 50 | OSD VIDEO1 |
| 10 | BILSTMO | 51 | KILLER |
| 9 | TRACKING ENVE | 52 | OSD VIDEO OUT |
| 8 | T-PHOTO | 53 | VREG+5V(OSD) |
| 7 | S-PHOTO | 54 | HLF |
| 6 | VTR KEY2 | 55 | NC |
| 5 | VTR KEY1 | 56 | OSD VIDEO2 |
| 4 | NC | 57 | GND |
| 3 | NC | 58 | RF AUDIO MUTE (H) |
| 2 | KILLER DET (L) | 59 | SECAM MIX |
| 1 | DVD OUT (H) | 60 | LP (H) |
| | | 61 | S-VHS DET (H) |
| | | 62 | VHS TUN (H) |
| | | 63 | NC |
| | | 64 | FLD CS |
| | | 65 | FLD DATA OUT |
| | | 66 | FLD DATA IN |
| | | 67 | FLD CLOCK. |
| | | 68 | TIMER BUS DATA OUT |
| | | 69 | TIMER BUS DATA IN |
| | | 70 | TIMER BUS CLOCK |
| | | 71 | IIC CLK |
| | | 72 | IIC DATA |
| | | 73 | AUDIO COMMON MUTE |
| | | 74 | CAP R/F |
| | | 75 | POWER ON (H) |
| | | 76 | CAP ET |
| | | 77 | CYL ET |
| | | 78 | POWER FAILER (L) |
| | | 79 | S-REEL PULSE |
| | | 80 | T-REEL PULSE |

R6108 680
R6104 220
R6105 680
R6106 220
R6107 220
TL6001
R6030 4700
R6029 4700
R6028 10K
R6027 10K
R6026 10K
R6036 1K
R6035 1K
R2561 1K
R2551 10K

| | | | |
|---|---|---|---|
| 100 | AFC S-CURVE(VHS) | 50 | PB.CTL.OUT |
| 99 | 5V(AD) | 49 | CTL.AMP REF. |
| 98 | 5V(A) | 48 | CTL.HEAD(+) |
| | | 47 | CTL.HEAD(-) |
| | | 46 | SECAM DET (H) |
| | | 45 | IREF |
| | | 44 | OREF |
| | | 43 | CYL.PFG |
| | | 42 | NC |
| | | 41 | GND(A) |
| | | 40 | CAP FG AMP IN |
| | | 39 | CAP FG AMP OUT |
| | | 38 | DAVN |
| | | 37 | LOADING (H) |
| | | 36 | UNLOADING (H) |
| | | 35 | EXCEPT FF/REW (L) |
| | | 34 | 60Hz (H) |

C6012 0.01
R6004 43K
R6010 39K
R6009 100
C2051 6V22
TW2002
PB CTL
C2053 35V10
C2054 3900P
K6001
C2001 33P
R2002 1M
C2055 0.1
D2001
B0AAED000003
D2002
B0AAED000003
CAP FG
TL2015
R2001 3900
C2003 1
K2597
K6098

DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)




DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)

DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)

VIDEO MAIN SIGNAL PATH IN REC MODE
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
CAPSTAN SERVO SPEED LOOP
CAPSTAN SERVO PHASE LOOP
CYLINDER SERVO SPEED LOOP
CYLINDER SERVO PHASE LOOP
DVD VIDEO SIGNAL
DVD AUDIO SIGNAL

C

X SW+13V
ANA+5V
X SW+5.8V
AD+5V
X SW+15.5V
REG.+5V
PS+12V

R7906 22K
R7905 22K
Q7902 2SD1819A0L (POWER SAVE)
D7901 MAZ4220NMF
C7902 50V10
R7901 330
T7901 ETS13TB159AP (DC/DC CONVERTER)
C7903 0.1
LB7901 J0JKB0000028
R7908
D7904 MA2C18500E
C7901 0.01
D7903 B0JAME000025
C7910 50V56
C7908 0.01
D7906 MAZ4300NMF
K7901
L7901 100u
R7902 33K
C7906 0.047
R7903 3300
C7907 10V100
R7904 4700
C7904 0.1
C7905 16V220
D7902 B0AAGM000007
Q7901 2SD21770SA (POWER SAVE)
D7905 MA2C18500E
R7907 100
R7909 39K
C7909 50V56

R2516 220
R2514 220
R2515 220
C2512 0.1
C2510 0.1
C2511 0.1
D2501 B0AAML000002
C2519 0.01
C2509 16V22
R2502 1.5
R2501 1.2
R2565 100
C2501 0.1
C2502 6V220
C2508 1800P
C2518 0.01
R2520 18K
R2521 1K
C2513 1
R2564 100
C2552 0.056
C2551 0.056
R2552 10K
K2598

IC2501
C1AB00001767
(LOADING MOTOR AND CYLINDER MOTOR DRIVE

M3 RNF M2 M1 VM COM 27 VCC PFG PG OUT PG- PG+ EC
VM2 OUT1 L GND OUT2 F IN R IN 26 VG GND CST CT1 CT2 PCI CNF

PG/FG COMPOSER
DIFFERENTIAL AMP
MOTOR DRIVE
PRE-DRIVE
MOTOR DRIVE SIGNAL GENERATOR
SELECTOR
DIFFERENTIAL AMP
DIFFERENTIAL AMP
RRE-DRIVE
AMP
AMP
CONTROL LOGIC
TSD
STARTING CONTROL LOGIC
SOFT SWITCH
LOWER SATURATION PREVENT CIRCUIT

C2506 0.22
C2504 0.022
C2505 0.022
C2515 0.01
C2507 1000P
R2503 1800
D2502 MAZ4160NMF

R6309 2700
TO PP7503 FL DRIVE P.C.B. P6601
L7902
UNREG 38V
TL2502 CAP TL
R2562 47K
C2571 25V220
C6112 22P
C6113 22P
R2563 1K
C2562 0.056
C2561 0.056

TO CAPSTAN UNIT P2571
MGND
CAP R/F
CAP ET
CURR LIMIT
GND
CAP FG1
X SW+15V
5V

TO CYLINDER UNIT P2501
M1
M2
M3
COM
GND
PG(-)
PG(+)

CYLINDER MOTOR
MAIN COIL1
MAIN COIL2
MAIN COIL3
HALL IC

TO PP4801 FRONT JACK P.C.B. PS33001
5V AD
VTR KEY1
IR
VIDEO AV3 IN
VTR KEY2
AUDIO AV3 IN L
A3 SW IN L
AUDIO AV3 IN R
AV3 C IN
GND
AV3 Y IN
GND

TO P31903 POWER & DIGITAL I/F P.C.B. (DIGITAL I/F SECTION) P6003
AUGND
VTR S OUT
GND
VTR S CLK
VTR S IN
MIX R OUT DM
MIX L OUT DM
PBOUT DM
AU5V
AUDIO MUTE L
IIC CLK
IIC DATA
RGB H
SLICER VIDEO
SYNC DET
JC P ON H
AFC S-CURVE(DVD)

TO P31904 POWER & DIGITAL I/F P.C.B. (DIGITAL I/F SECTION) P6004
SCART AUDIO MUTE H
GND
A3 SW IN L
AV2-8
P50IN
P50OUT
WIDE
AV2PB
AV2 G IN
GND
AV2 V IN

LOADING MOTOR
P1531
LOADING M(-)
LOADING M(+)

S:Syscon/Servo/Timer Section(Page: C )
A:Hi-Fi Audio Section(Page: D )
V:Video Section(Page: E )

DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)

MAIN P.C.B.

IC0201 (CAPSTAN MOTOR DRIVE)

CAPSTAN MOTOR COILS
A1 A2 A3
MOTOR DRIVE
DIFFERENTIAL AMPLIFIRE
TORQUE CONTROL
TL AMP
EC AMP
DEF AMP
POSITION SIGNAL PROCESS
TORQUE DIRECTION SELECT
HALL
HALL
HALL
H3- H3+ H1- H1+ H2- H2+
VH+
HALL POWER

VM (19) — P0201 P2571 2 — X SW +15.5V
TL (9) — P0201 P2571 5 — TL2502 CAP TL — (11) CURRENT LIMIT (H)
EC (10) — P0201 P2571 6 — (76) CAP ET
ED/S (11) — P0201 P2571 7 — (74) CAP R/F

TL2015 CAP FG — (86) CAP FG OUT
CAPSTAN FG HEAD — P0201 P2571 3 — (87) CAP FG IN

IC2501 (LOADING MOTOR & CYLINDER MOTOR DRIVE)

LOADING MOTOR (M)
P1531 1 — OUT 1 (2) — AMP — PRE-DRIVE — CONTROL LOGIC — F IN (5) — (84) LOADING (H)
P1531 2 — OUT 2 (4) — AMP — R IN (6) — (83) UNLOADING (H)

CYLINDER MOTOR COILS
M1 M2 M3 (22 23 25)
MOTOR DRIVE — PRE-DRIVE — MOTOR DRIVE SIGNAL GENERATOR — SELECTOR — DIFFERENTIAL AMPLIFIRE
COM (20)

VCC (19) — +5V
(91) O REF
(N)
(86) CTL AMP REF

PG COIL
PG+ (15) PG- (16) PG OUT (17)
DIFFERENTIAL AMPLIFIRE — FG/PG COMPOSER — DIFFERENTIAL AMPLIFIRE
(14) — (77) CYL ET
(18) — (90) CYL PFG

CONTROL HEAD
P4002 5 — (94) CTL HEAD(-)
P4002 6 — (95) CTL HEAD(+)

TW2002 PB CTL — (62) EX.FF/REW (L)
(97) PB CTL OUT

MODE SW S1532
1 2 3 4 5 — (SW1) (SW2) (SW3) (SW4)
(SW1) (SW2) (SW3) (SW4) — (93) POSITION SW1 (92) POSITION SW2 (91) POSITION SW3 (90) POSITION SW4

(8) T.PHOTO
(7) S.PHOTO
(27) SAFETY TAB (L)

Q1501 TAKE-UP PHOTO SENSOR
D1501 SENSOR LED
Q1502 SUPPLY PHOTO SENSOR
S1531 SAFETY TAB SW
+5V
IC1511 (T-REEL SENSOR)
IC1512 (S-REEL SENSOR)
TL24 — (79) S.REEL
TL23 — (80) T.REEL

IC6001 (SYSTEM CONTROL/SERVO/TIMER)

32KHz IN (35) — X6002 (32KHz)
32KHz OUT (36)
12MHz IN (38) — X6001 (12MHz)
12MHz OUT (39)
5V(D) (37) — +5.2V

IC6201 (RESET)
(1) OUT +5V (2) — TL6004 TL6002
RESET (L) (34)

IC6302 (SWITCHING REG.+5V)
+5V — (1) OUT IN (4) — X SW+5.8V — FROM POWER
SW (3)
POWER ON (H) (75) — TO IC3002-(5),Q7401,IC7402-(5),IC44005-(1)

VTR TIMER CS (15) — P6005 P31905 5
VTR DATA OUT (68) — P6003 P31903 2
VTR DATA IN (69) — P6003 P31903 5
VTR DATA CLK (70) — P6003 P31903 4
TO/FROM POWER & DIGITAL I/F P.C.B.

IIC CLK (71) — TO IC3001-(73),IC4501-(42),IC6003-(6),IC6004-(4), TU7401-(11)
IIC DATA (72) — TO IC3001-(74),IC4501-(43),IC6003-(5),IC6004-(5), TU7401-(12)

P6005 P31905 2

FRONT JACK P.C.B.

IC7801 (REMOTE CTL.RECEIVER)
REMOCON (14) — PS33001 PP4801 3 10 — (1) IR (3) +5V

VTR OPERATION KEY
VTRKEY 2 (6) — PS33001 PP4801 5 8
S7806 POWER — S7805 FF — S7803 SKIP-R — S7802 STOP — S7801 CH-UP
VTRKEY 1 (5) — PS33001 PP4801 2 11
S7813 EJECT — S7812 REW — S7810 SKIP-F — S7809 CH DN — S7808 PLAY — S7807 REC

DMR-E75VEB/EG
System Control,Servo & Timer
Block Diagram

POWER & DIGITAL I/F P.C.B.

FL DRIVE P.C.B.

IC37501
(DIGITAL I/F & TIMER CPU)

(LPF)

31 LP2FSC
32 LP3FSC
33 LP4FSC

X37502
9 32768Hz IN
10 32768Hz OUT

X37501
12 10MHz OUT
14 10MHz IN

TL37503
21 125Hz

P6005 P31905 5
P6003 P31903 5
P6003 P31903 2
P6003 P31903 4

47 VTR TIMER CS IN
42 VTR S-DATA IN
43 VTR S-DATA OUT
44 VTR S-CLOCK

IC37502
(EEP ROM)

TL37519
SCL 6 — 28 IIC CLOCK

TL37518
SDA 5 — 29 IIC DATA

TL37520
WE 7 — 46 EEPROM

TO/FROM
MAIN P.C.B.

P6005 P31905 2 — 2 REMOCON

IC37508
(RESET)
+5V — 5 IN, OUT 4 — 11 RESET
2

X SW +13V
IC37506
(FAN MOTOR DRIVE)
Q37512
(FAN MOTOR DRIVE)
1 3 7 5 — 23 FAN PWM OUT

FAN MOTOR
M
P37503 1
P37503 3
64 FAN LOCK Ⓗ

FROM
DIGITAL
P.C.B.
P9001 P39702 33 — 1 TBUS CLK
P9001 P39702 38 — AMP QR37401 — 3 VSYNC

T7901
(DC/DC
CONVERTER)
X SW +13V
1 4 5

FL(+) P6601 PP7503 7
FL(-) P6601 PP7503 8

MAIN P.C.B.

FL RESET 84
FL CLS 87
DUB LED Ⓗ 73
TIME WARP LED Ⓗ 67
DVD KEY IN1 96
DVD KEY IN2 97
DVD KEY IN3 104
P FAIL Ⓛ 80
SYS P FAIL Ⓗ 81

PP31903 PP7502 7
PP31903 PP7502 6
PP31903 PP7502 4
PP31903 PP7502 2
PP31904 PP7501 5
PP31904 PP7501 8
PP31904 PP7501 1
PP31904 PP7501 2
PP31904 PP7501 3

IC37503
(RESET)
1 2 3 — AD +5V

QR37502
INV.

IC37505
(RESET)
1 2 3 — D +3.3V

DP7501
TIMER DISPLAY

1 F+
2 F+
61 F-
62 F-
10G 49
7G 52
5G 54
1G 58
6G 53
P1 47 ~ P19 29
P20 21 ~ P36 5

AD +5V
Q7501
(FIP DRIVE)

9 SEG34 ~ 17 SEG26
19 SEG25 ~ 28 SEG16
29 SEG15 ~ 44 SEG00
45 SEG35

DIG04 59
DIG00 63
DIG03 60
DIG05 58
DIG09 54

1 RESET
2 CS
3 S CLOCK
4 S DATA

IC7502
(FIP DRIVE)

VCC1 8
VCC2 18

QR7510
(DUB LED DRIVE)
D7507
DUB
+5V

QR7501
(T-WARP LED DRIVE)
D7501
T-WARP

< DVD OPERATION KEY >

S7501 OPEN/CLOSE
S7502 TO DVD
S7505 CHUP
S7503 TO VHS
S7504 REC
S7507 PLAY
S7508 STOP
S7506 CHDN

DMR-E75VEB/EG
Digital I/F Timer
Block Diagram

S:Syscon/Servo/Timer Section(Page: C)
A:Hi-Fi Audio Section(Page: D)
V:Video Section(Page: E)

TO CYLINDER UNIT
P5001
LP/EP R 1 (A1)
LP/EP COM 2 (A2)
LP/EP L 3 (A3)
SP R 4 (A4)
SP COM 5 (A5)
SP L 6 (A6)
AUDIO HEAD L 7
AUDIO HEAD COM 8
AUDIO HEAD R 9

(A) AUDIO HEAD R (A7)
(A) AUDIO HEAD COM (A8)
(A) AUDIO HEAD L (A9)
(S) TRACKING ENV (A10)
(S) MESECAM DET (H) (A11)
(S) VIDEO HEAD SW (A12)
(S) IIC DATA (A13)
(S) IIC CLK (A14)
(S) SYS GND (A15)

(A)(S) FSC (A16)
(S) KILLER DET. (L) (A37)
(S) DUB (H) (A38)
(A) SCART IN L (A39)
(A) SCART IN R (A40)
(S) SYNC DET (A41)
(S) BPBOUT DM (A42)
(S) GPYOUT DM
(S) RPROUT DM
(S) YOUT DM
(S) COUT DM

J1
VEE0U97

(S) P SAVE (H)

(A) DVD OUT L
R24061 680

(S) AUDIO MUTE (L)

(A) DVD OUT R
(A) AUDIO MUTE2 (H)
R24065 680

(S) CTL HEAD(-)
(S) CTL HEAD(+)
R2099 6800
C2099 680P

TO A/C HEAD
P4002
CTL HEAD(+) 6
CTL HEAD(-) 5
A.HEAD(R) 4
A.HEAD(W) 3
GND 2
AUDIO ERASE IN 1

TO FULL ERASE HEAD
P4001
FULL ERASE OUT 2
FULL ERASE IN 1

(S) LP (H)
(S) DGND
(S)(A) REF GND
(S) AU GND
(A) HA GND

(A) TU AUDIO IN (B1)
(A) NORMAL AUDIO IN (B2)
(A) VIDEO TUNER OUT (B3)
(A) NORMAL AUDIO OUT (B4)

(S) PAL EP (H) (B33)
(S) VHS OSD VIDEO (B9)
(S) P50 (B11)
(S) AV2 B IN (B12)
(S) AV2 G IN (B13)
(S) AV2 RC IN (B14)
(A) DECODER R (B15)
(A) DECODER L (B16)
(A) VHS/DVD TUN.VIDEO (B17)
(S) AV2 PB (H) (B18)
(S) HPNC (H) (B19)
(S) FREQ ADJ (B20)
(S) BIAS (H) (B21)
(S) COM MUTE (B22)
(S) S-VHS DET (H) (B23)
(S) ART V H N (B24)
(S) S-VHS (H) (B25)
(S) OSD V IN
(S) D REC (H)
(S) VTR P ON (H)

(A) A 5V
(S) X SW 5.8V
(S) SCART AUDIO MUTE (H)
(S) 60Hz (H)
(A) LINE OUT L
(A) LINE OUT R
(A)(S) PS5V
(S) BOOSTER +5V
(A)(S) PS12V

(S) I2C5CK
(S) I2C5DT
(S) OSD 5V

(S) AV2 V IN
(A) AV2 IN L
(A) AV2 IN R
(A) AV1 IN L
(A) AV1 IN R

(A) DVD TUNER OUT (A17)
(S) AV3 C IN (A18)
(S) AV3 Y IN (A19)
(S) AV3 V IN (A20)
(S) CPNCIN DM (A21)
(S) SLICER VIDEO (A22)
(S) V YIN DM (A23)

(S) X SW 13V
(A) V GND
K23001

X SW 5.8V
X SW 13V
PS +12V
X SW 5.8V

IC3901
C0DBZJE00003
(REG.PS +12V)
C3901 0.1
C3903 16V47

C3904 1
R3902 10K
IC3902
C0CBCDD00006
(REG.PS +5V)
C3905 1
C3906 0.1

(A24) (A25) E
Q3901
2SD1819A0L
(BUFFER)
R3903 22K
C3907 6V47
R3904 27K
R3905 1K

R3901 10K
QR3901
UNR521300L
(POWER ON/OFF CTL.)
QR3902
UNR521300L
(POWER ON/OFF CTL.)

L3501 56u
R3507 1200
R3501 560
D3501
B0AAED000003
C3504 270P
C3512 270P
C3511 270P
R3512 3300
R3511 3300
R3510 470
R3509 1K
R3513 1500
C3513 220P
C3510 82P
R3508 390K
C3509 1u
R3502 1K
IC3502
AN3293S-T1
(SUB EMPHASIS)
SUB EMPHASIS
LOGIC
GND
SP
LP
PB
REC
VCC
C3508 0.1
C3507 6V47
K3503
C3505 4.7
C3506 4.7

Q3502
2SD1819A0L
(BUFFER)
R3504 3300
C3501 4.7

R24061 680
QR3701
UNR511100L
(AUDIO MUTE (L) :ON)
R24063 2700
Q24002
2SD132800L
(AUDIO MUTE)
C24039 1000P
D24001
MA32142D0LG
R24064 2700
Q24003
2SD132800L
(AUDIO MUTE)
C24040 1000P
R24065 680

R23902 820
R23903 820
QR23901
UNR511300L
(AUDIO MUTE)
QR23902
UNR521600L
(AUDIO MUTE)
QR23903
UNR521600L
(AUDIO MUTE)

T4001
EQQ7QF024P
Q4003
2SD0602ARL
(OSC)
C4021 220P
R4014 10K
R4016 2200
R4017 2200
Q4004
2SB0710A0L
(ERASE HEAD DRIVE)
QR4005
UNR521300L
(BIAS (H) :ON)
R4015 3300
Q4001
2SD114900L
(MUTE)
R4018 1K
Q4002
2SD1819A0L
(MUTE)
R4019 1K
L4001 470u
C4022 10V47
C4023 0.022
C4024 1500P
C4020 0.022
QR4004
UNR511100L
(D REC (H) :OFF)

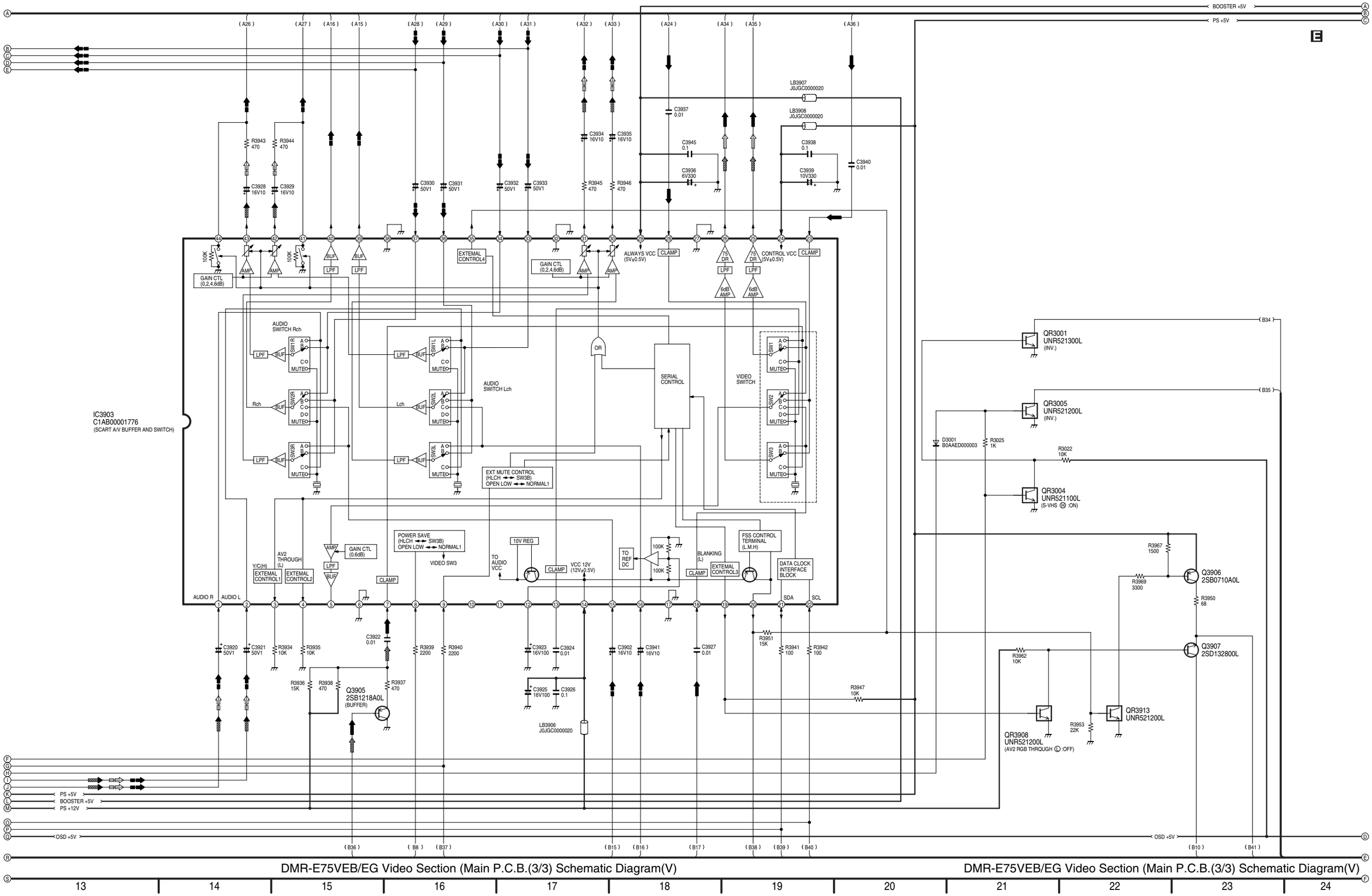
Q3501
2SB1218A0L
(BUFFER)
C3051 1
IC3002
C0CBCDD00007
(REG.OSD +5V)
DRIVER
CURRENT LIMITTER
BIAS
THERMAL SHUTDOWN
REFERENCE
C3033 0.1
C3052 1
C3053 0.1

R3514 1K
R3506 1200
R3505 1200
R3516 1K
IC3501
C1AB00001681
(SELECTOR SWITCH)
C3518 22P
L3504 33u
C3517 56P
L3503 33u
C3516 56P
C3503 4.7
R3503 1K
C3514 4,7
L3502 33u
R3515 1200
C3515 22P
QR3501
UNR521100L
(S-VHS (H) :ON)
C3502 0.1

A5V
X SW5.8V
PS +5V
BOOSTER +5V
PS +12V
OSD +5V

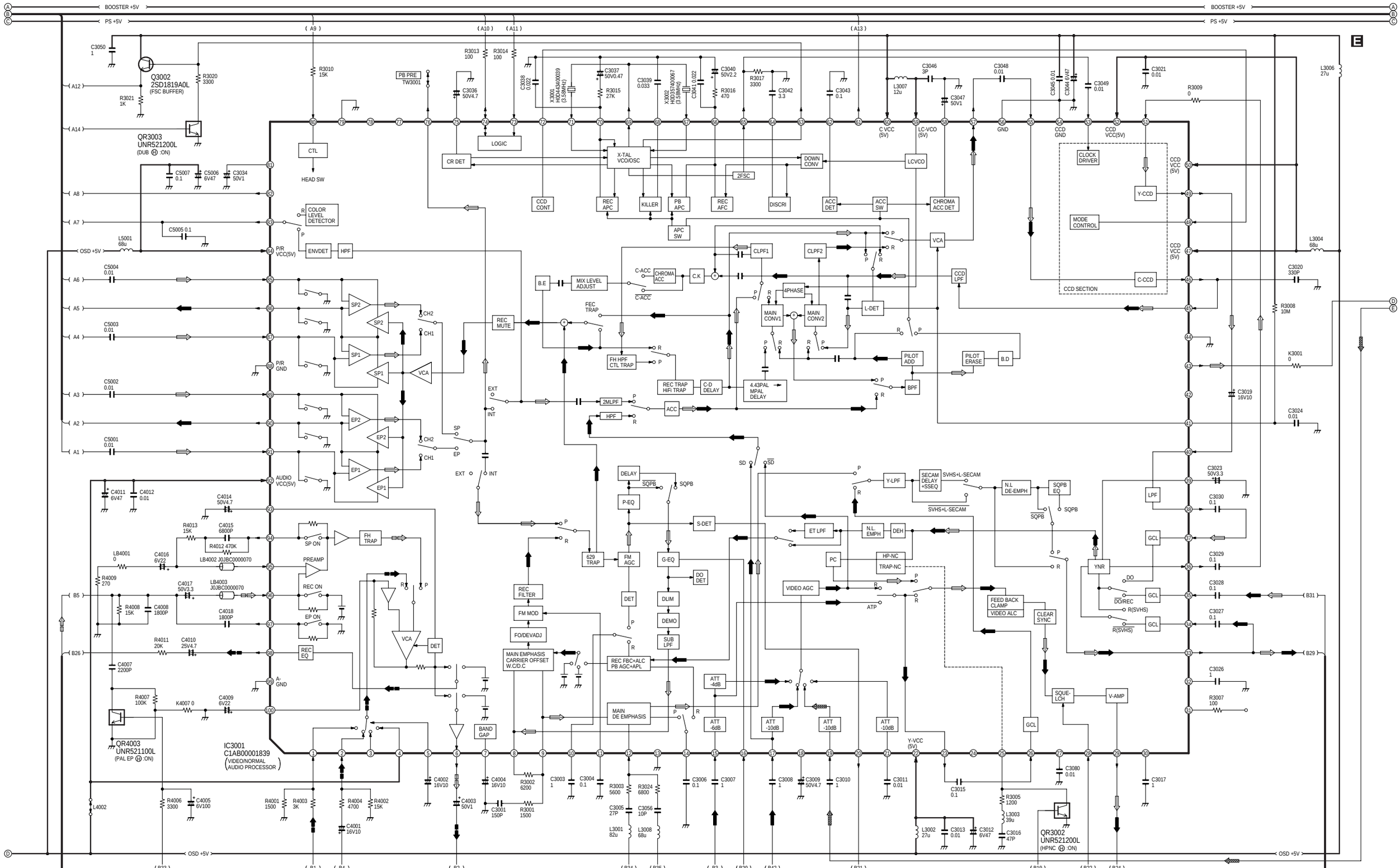
(B25 B23) (B31)

DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V))




DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)

DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)




DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)

DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)

VIDEO MAIN SIGNAL PATH IN REC MODE
VIDEO MAIN SIGNAL PATH IN PLAYBACK MODE
AUDIO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN PLAYBACK MODE
DVD VIDEO SIGNAL
DVD AUDIO SIGNAL

BOOSTER +5V
PS +5V
ANA +5V

JK3903
K1U407B00003
PR PB Y
OPTICAL DIGITAL AUDIO OUT (PCM/BITSTREAM)
GND VCC IN
COMPONENT VIDEO OUT JACK (NTSC:480P/480I PAL:576P/576I)

Q23001
2SB1218A0L
(BUFFER)

IC3904
C1AB00001935
(DVD/VHS SELECTOR SW)
VHS DVD VCC

IC23001
C1AB00001918
(VIDEO I/O PROCESSOR)

S:Syscon/Servo/Timer Section(Page: C )
A:Hi-Fi Audio Section(Page: D )
V:Video Section(Page: E )

QR3903
UNR521100L
(SCART MUTE H :ON)

Q3902
2SB1218A0L
(SCART MUTE)

Q3904
2SD132800L
(SCART MUTE)

Q3903
2SD132800L
(SCART MUTE)

D3901
MA3Z142D0LG

D3906 BDAAED000003

JK24302
K2HA612B0027
REAR A/V JACK
VHS/DVD COMMON OUT
DVD OUT

JK23902
K2HZ105B0005
(S-VHS OUT)
DVD OUT

JK3901
K2HZ242B0002
SCART I/O JACK

AV1

| | |
|---|---|
| 1 | AUDIO OUT CH2(R) |
| 2 | AUDIO IN CH2(R) |
| 3 | AUDIO OUT CH1(L) |
| 4 | GND(A) |
| 5 | GND |
| 6 | AUDIO IN CH1(L) |
| 7 | BLUE |
| 8 | PB +12V |
| 9 | GND |
| 10 | -/CONTROL |
| 11 | GREEN |
| 12 | -/DATA |
| 13 | GND |
| 14 | GND |
| 15 | RED/C OUT |
| 16 | BLANKING |
| 17 | GND |
| 18 | GND |
| 19 | VIDEO OUT/Y OUT |
| 20 | VIDEO IN |
| 21 | GND |

AV1 (TV)

AV2

| | |
|---|---|
| 1 | AUDIO OUT CH2(R) |
| 2 | AUDIO IN CH2(R) |
| 3 | AUDIO OUT CH1(L) |
| 4 | GND(A) |
| 5 | GND |
| 6 | AUDIO IN CH1(L) |
| 7 | BLUE |
| 8 | AV2 +12V |
| 9 | GND |
| 10 | -/CONTROL |
| 11 | GREEN |
| 12 | -/DATA |
| 13 | GND |
| 14 | GND |
| 15 | RED/C IN |
| 16 | BLANKING |
| 17 | GND |
| 18 | GND |
| 19 | VIDEO OUT |
| 20 | VIDEO IN/Y IN |
| 21 | GND |

AV2 (DECODER /EXT)

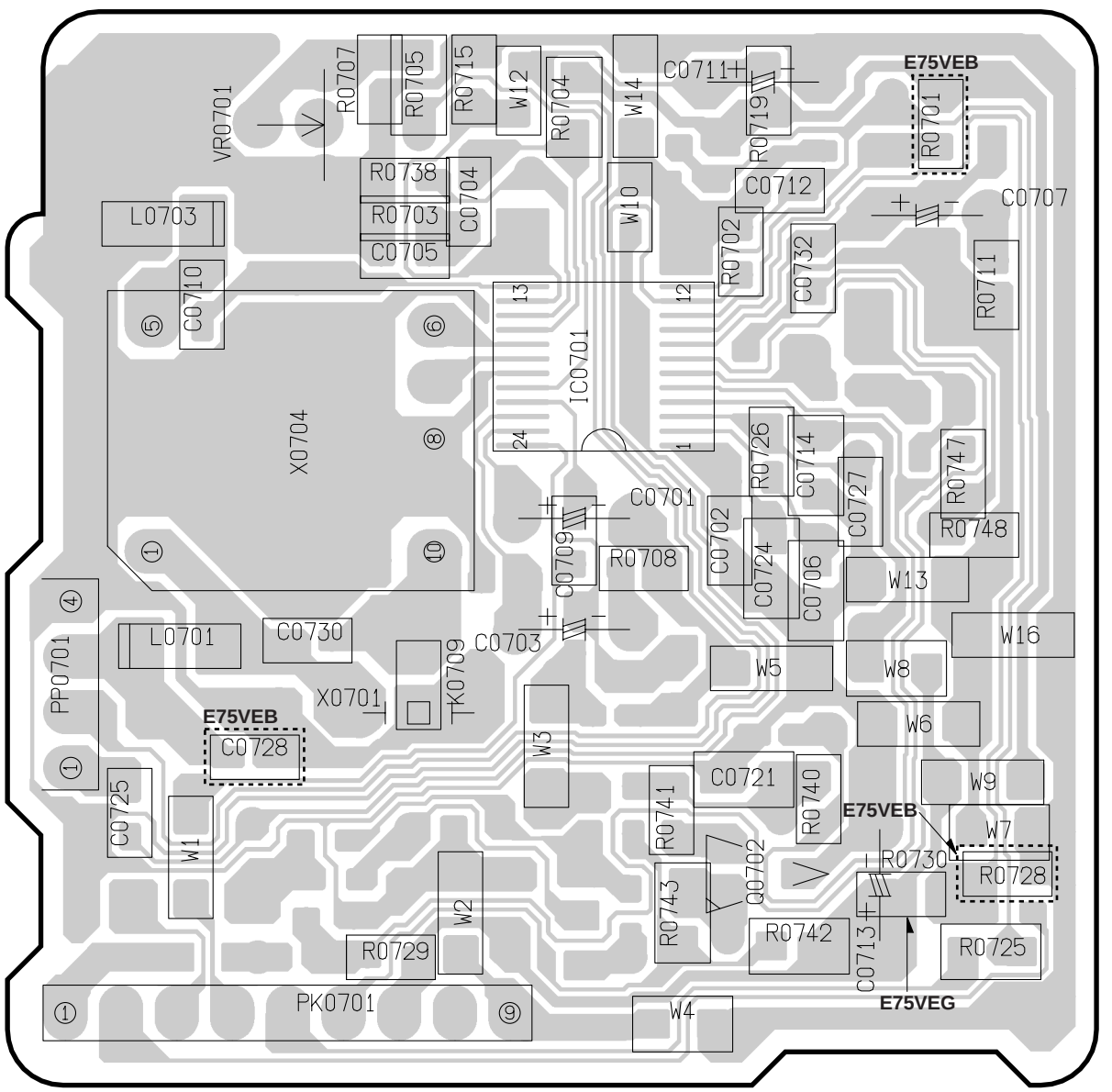
DMR-E75VEB/EG
Video Section
(Main P.C.B.(3/3)
Schematic Diagram(V)

DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERRING.THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

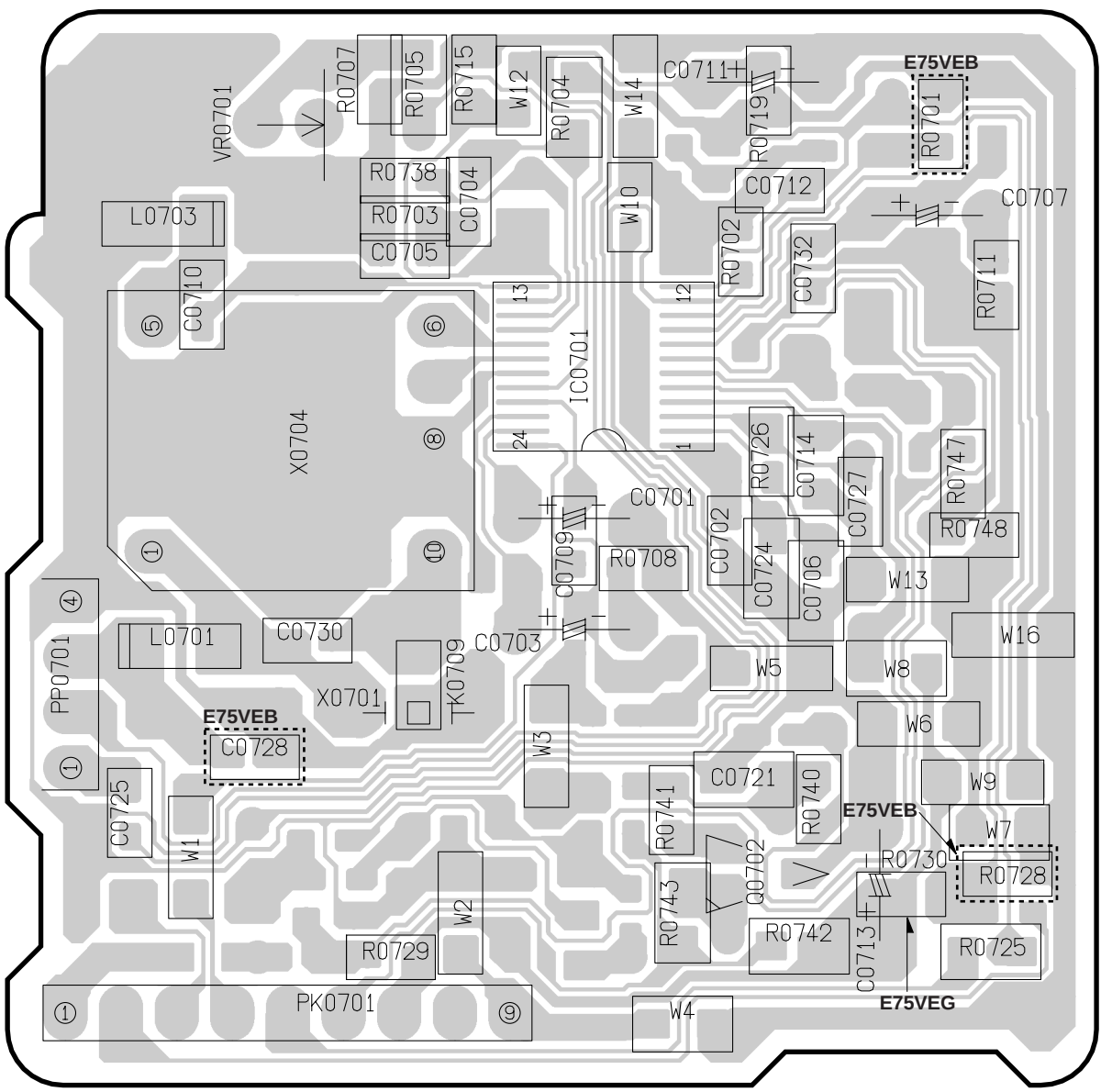
36 37 38 39 40 41 42 43 44 45 46 47

## VIF Decoder (A) P.C.B. (For DVD)




DMR-E75VEB/EG
VIF Decoder (A) P.C.B. (For DVD)
VEP07A71K: E75VEB
VEP07A71J: E75VEG

## VIF Decoder (B) P.C.B. (For VHS)




DMR-E75VEB/EG
VIF Decoder (B) P.C.B. (For VHS)
(VEP07A71M)

VIDEO SIGNAL PATH
AUDIO SIGNAL PATH

PK0701

| | | |
|---|---|---|
| DU7402-19 | | 1 |
| DU7402-20 | | 2 |
| DU7402-21 | | 3 |
| DU7402-22 | SIF OUT | 4 |
| DU7402-23 | AFC S-CURVE | 5 |
| DU7402-24 | TUNER VIDEO | 6 |
| DU7402-25 | REG 5V | 7 |
| DU7402-26 | | 8 |
| DU7402-27 | GND | 9 |

TO MAIN P.C.B. (Hi-Fi Audio SECTION)

PP0701 (TO TUNER UNIT)

| | |
|---|---|
| 4MHz | 1 |
| AGC | 2 |
| IF | 3 |
| GND | 4 |

C0714 1
C0713 6V100
R0729 10K
E75VEB R0701 0
R0725 100
C0712 0.1
E75VEB R0728 0
E75VEG R0730 10K
R0711 51
C0707 50V 0.47
C0732 100P
C0725 12P:E75VEB 3P:E75VEG
R0702 100K
C0721 33P:E75VEB 68P:E75VEG
R0740 470
C0706 0.033
R0726 3300
C0727 39P
C0702 1K
C0724 0.01
R0747 270
R0748 270

IC0701
C1AB00001924

0.3 2.0 2.8 5.0 1.1 1.1 4.6 3.1 0 5.0 1.3 2.3
5V

AGC
EQ AMP
FLL
AFT
SIF AMP
APC
VCO
FM DET
AMP SW
1ST SIF DET
TRAP
VIDEO DET
AMP
AGC
1ST SIF AMP
DEEM
VIF AMP
IF AGC
RF AGC

3.5 2.8 2.6 2.2 2.8 2.8 3.0 0 4.2 1.8

C0701 50V1
C0703 50V1
R0705 3900:E75VEB 2700:E75VEG
C0704 0.068
R0738 0
R0708 22K
C0709 0.01
R0707 39K
VR0701 10KB
R0703 1K
C0705 0.1
C0710 0.01

R0742 470
R0743 82
1.8
Q0702 2SB0709A0L (AMP)
1.1
R0741 220
R0704 1M
R0719 4700
K0709 0
X0704 VLF1495:E75VEB VLF1493:E75VEG
C0730 22P:E75VEB 68P:E75VEG
L0701 27u
E75VEB C0728 56P
X0701 J0B4155A0003:E75VEB J0B4045A0002:E75VEG
L0703 3.3u
C0711 16V22
R0715 22K

NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
VIF Decoder(A)
Schematic Diagram (For DVD)

VIDEO SIGNAL PATH
AUDIO SIGNAL PATH

C0714 1
C0713 6V100
R0729 10K
E75VEB R0701 0
R0725 100
C0712 0.1
E75VEB R0728 0
E75VEG R0730 10K
R0711 51
C0707 50V 0.47
C0732 100P
C0725 12P:E75VEB 3P:E75VEG
R0702 100K
C0721 33P:E75VEB 68P:E75VEG
R0740 470
C0706 0.033
R0726 3300
C0727 39P
C0702 1K
C0724 0.01
R0747 270
R0748 270

IC0701
C1AB00001924

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.3 | 2.0 | 2.8 | 5.0 (5V) | 1.1 | 1.1 | 4.6 | 3.1 | 0 | 5.0 | 1.3 | 2.3 |

AGC
EQ AMP
FLL
AFT
SIF AMP
APC
VCO
FM DET
AMP SW
1ST SIF DET
TRAP
VIDEO DET
AMP
DEEM
AGC
1ST SIF AMP
VIF AMP
IF AGC
RF AGC

| 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3.5 | 2.8 | 2.6 | 2.2 | | 2.8 | 2.8 | 3.0 | 0 | 4.2 | 1.8 |

C0701 50V1
C0703 50V1
R0705 3900:E75VEB 2700:E75VEG
C0704 0.068
R0738 0
R0708 22K
C0709 0.01
R0707 39K
VR0701 10KB
R0703 1K
C0705 0.1
C0710 0.01

PK0701
TO MAIN P.C.B. (Hi-Fi Audio SECTION)

| | | |
|---|---|---|
| DU7401-19 | | 1 |
| DU7401-20 | | 2 |
| DU7401-21 | | 3 |
| DU7401-22 | SIF OUT | 4 |
| DU7401-23 | AFC S-CURVE | 5 |
| DU7401-24 | TUNER VIDEO | 6 |
| DU7401-25 | REG 5V | 7 |
| DU7401-26 | | 8 |
| DU7401-27 | GND | 9 |

R0742 470
R0743 82
1.8
Q0702 2SB0709A0L (AMP)
1.1
R0741 220

K0709 0
X0704 VLF1495:E75VEB VLF1493:E75VEG
C0730 22P:E75VEB 68P:E75VEG
L0701 27u
E75VEB C0728 56P
X0701 J0B4155A0003:E75VEB J0B4045A0002:E75VEG
L0703 3.3u

PP0701
(TO TUNER UNIT)

| | |
|---|---|
| 4MHz | 1 |
| AGC | 2 |
| IF | 3 |
| GND | 4 |

R0704 1M
R0719 4700
C0711 16V22
R0715 22K

NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
VIF Decoder(B)
Schematic Diagram (For VHS)

F E D C B A
1 2 3 4 5 6 7 8 9

IC23001
(VIDEO I/O PROCESSOR)

FROM DIGITAL P.C.B.

P9001 P39702 18 → P31902 P6002 8 → C OUT DM → DVD C IN (61) → BIAS → 6M LPF → 6dB 75 → C75 OUT (30)

P9001 P39702 22 → P31902 P6002 10 → Y OUT DM → DVD Y IN (59) → CLAMP → 6M LPF → DRV MIX → 6dB 75 → Y/C MIX (28)

Q23001 BUFFER

P9001 P39702 26 → P31902 P6002 12 → G PYOUT DM → DVD G/Py IN (60) → SW1 → BIAS / CLAMP

SW1 → 6M LPF / 12M LPF → SW2 → Py/G SW → 6dB 75 → Py/G OUT (57) → G OUT

V75 SAG (29) · Y75 OUT (26) · Y75 SAG (27)

P9001 P39702 30 → P31902 P6002 13 → B PBOUT DM → DVD B/Pb IN (61) → BIAS → 6M LPF → Pb/B SW → 6dB 75 → Pb/B OUT (33) → B OUT

Pb/B SAG (32)

P9001 P39702 34 → P31902 P6002 14 → R PROUT DM → DVD R/Pr IN (63) → BIAS → 6M LPF → Pr/R/C SW → 6dB 75 → Pr/R/C OUT (35) → R OUT

Pr/R/C SAG (34)

AV2 R/C IN (45) · AV2 G IN (49) · AV2 B IN (53)

TU7402
U/V TUNER PACK
DVD
TUNER VIDEO OUT (24)

Q7403 BUFFER → DVD TU VIDEO IN → DVD TUNER (3) → CLAMP

VIDEO3 IN (19) → CLAMP

JK4801
FRONT A/V JACK
AV3
VIDEO IN (7)

PP4801 PS33001 9 4 → AV3 VIDEO IN (12) → CLAMP

V-SW A · SW A · MIX A · Y/V OUT A (25) → 0dB → A2 / A1

Q6002, Q6003 AMP

BIAS (1) · CLAMP (10) · CLAMP (7)

JK4802
AV3
S-VIDEO IN

C
Y

PP4801 PS33001 4 9 → AV3 C IN2 → C2 IN (17) → BIAS

PP4801 PS33001 2 11 → AV3 Y IN2 → Y2 IN (14) → CLAMP

Y-SW A · MIX A · C-SW A · C OUT (38) → 0dB → A3

V-SW B · SW B · Y/V OUT B (71) → 0dB → A4

Y-SW B

SDA (57) · SCL (58) → IIC-BUS CONTROL

IIC DATA IC37501- (29)
IIC CLOCK IC37501- (28)

TO/FROM POWER & DIGITAL I/F P.C.B. (DIGITAL TIMER CPU)

A5 · A6

IC43701
(SELECTOR SWITCH)

IC43702
(VIDEO I/O BUFFER)

RGB IC37501- (50)

P31903 P6003 14 → P4501 PS43001 10 → 4 / 8 / 1 RGB

P31903 P6003 9 → P4501 PS43001 7 → 12M LPF (8) → 6dB → 75Ω DR → (22) / (21)

P31902 P6003 15 → P4501 PS43001 6 → Q43702 AMP → 6M LPF (12) → 6dB → 75Ω DR → (13)

Q43701 AMP → 6M LPF (14) → 6dB → 75Ω DR → (17)

TU7401
U/V TUNER PACK
VHS
TUNER VIDEO OUT (24)

P4503 PS43003 6 → DVD TUNER VIDEO

P4503 PS43003 4 → VHS TUNER VIDEO

IC6001
(SYSTEM CONTROL)

CV OUT (52) · CV IN (50)

Q3001 BUFFER ← A7 ← A8 / A9 / A10

IC47403
(DVD/VHS SELECTOR SW.)

VHS TUNER VIDEO → VHS (4)
DVD TUNER VIDEO → DVD (6)
(1) → PS43002 P4502 15 → (2)

VHS TUN (4) IC6001- (62) ← FROM (SYSTEM CONTROL SECTION)

IC3903
(SCART BUFFER AND SWITCH)

6dB AMP · LPF · 75 DR

OSW1 · OSW2 · OSW3 · MUTE

CLAMP (28) · CLAMP (7) · CLAMP (23)

IIC-BUS CONTROL (21) (22)

Q3901 BUFFER

Q3905 BUFFER

IC3904
(DVD/VTR SELECTOR SW.)

DVD (4) · VHS OSD VIDEO · VHS (6) → (2) / (1)

DVD OUT (4) IC6001- (1) → FROM (SYSTEM CONTROL SECTION)

JK23902
S-VHS OUT JACK
DVD
Y75 OUT (3)
C75 OUT (4)
S-VIDEO OUT

AV1
JK3901
(TV)
R/C OUT (15)
B OUT (7)
G OUT (11)
VIDEO IN (20)
VIDEO/Y OUT (19)

AV2
JK3901
(DECODER/EXT)
R/C OUT (15)
G OUT (11)
B OUT (7)
VIDEO IN (19)
VIDEO/Y OUT (20)

E75VEB
TU7403
RF CONVERTER
VIDEO IN (7)

JK24302
A/V OUT JACK
VIDEO OUT (8) VHS/DVD COMMON OUT
VIDEO OUT (4) DVD

JK3903
COMPONENT VIDEO OUT
PS43001 P4501 14 → Y (4)
PS43001 P4501 13 → PB (3)
PS43001 P4501 12 → PR (2)

DMR-E75VEB/EG
Video Block Diagram

:DVD VIDEO EE SIGNAL  :REC SIGNAL  :PB SIGNAL

IC3001
(AUDIO/VIDEO SIGNAL PROCESSOR)

IC3502
(SUB EMPHASIS)

IC3501
(SELECTOR SWITCH)

TO DIGITAL P.C.B.

TO/FROM DD CYLINDER VIDEO HEAD

TO/FROM DD CYLINDER VIDEO HEAD

FROM SYSTEM CONTROL

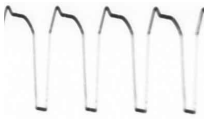
TO SYSTEM CONTROL

EXTERNAL PB LUMINANCE SIGNAL INPUT LINE (NOT USED IN THESE MODELS)

DMR-E75VEB/EG
Video Block Diagram

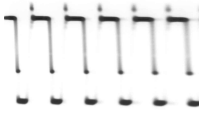
DMR-E75VEB/EG
Video Block Diagram

T11150-3 STOP
40Vp-p (10µsec.div.)



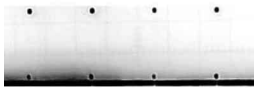
T11150-4 STOP
500Vp-p (5µsec.div.)

T11150-6 STOP
15Vp-p (5msec.div.)

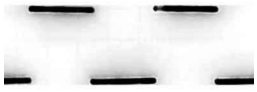


T11150-7 STOP
50Vp-p (5µsec.div)

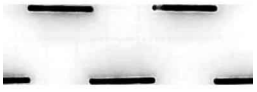
T11150-8,9 STOP
40Vp-p (5µsec.div)



IC6001-13 PAUSE
5.0Vp-p (10msec.div.)



IC6001-18 REC
5.0Vp-p (10msec.div.)



IC6001-19 REC
5.0Vp-p (10msec.div.)

IC6001-48 REC
0.5Vp-p (10msec.div.)

IC6001-52 REC
2.1Vp-p (20µsec.div.)

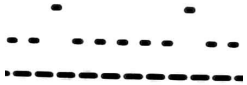
IC6001-68,69 REC
5.0Vp-p (10msec.div.)

IC6001-70 REC
5.0Vp-p (10msec.div.)

IC6001-71 REC
5.0Vp-p (10msec.div.)

IC6001-72 REC
5.0Vp-p (10msec.div.)

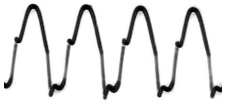
IC6001-79,80 FF/REW
5.0Vp-p (1msec.div.)



IC6001-90 REC
5.0Vp-p (10msec.div.)

IC6001-94,95 REC
6.0Vp-p (10msec.div.)

IC6001-97 PLAY
4.5Vp-p (10msec.div.)



IC2501-2,4 REC
12Vp-p (5msec.div.)

IC3001-6 REC/PLAY
0.9Vp-p (0.5msec.div.)

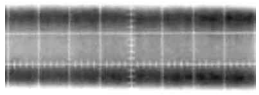
IC3001-15,17,19 REC
1.1Vp-p (20µsec.div.)

IC3001-45,46 PLAY
0.5Vp-p (20µsec.div.)

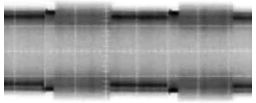
IC3001-73 REC/PLAY
5.0Vp-p (5msec.div.)

IC3001-74 REC/PLAY
5.0Vp-p (5msec.div.)

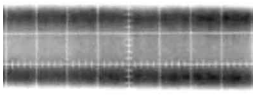
IC3001-80 REC/PLAY
0.6Vp-p (10msec.div.)



IC3001-85 PLAY
1.5Vp-p (20µsec.div.)

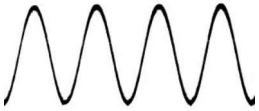


IC3001-86 REC
1.5Vp-p (5msec.div.)

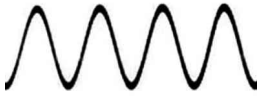


IC3001-87 PLAY
1.5Vp-p (20µsec.div.)

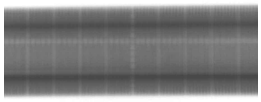
IC3001-96 PLAY
5.0Vp-p (5msec.div.)



IC3001-98 REC
2.4Vp-p (1msec.div.)

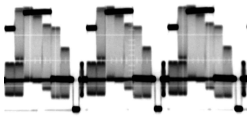
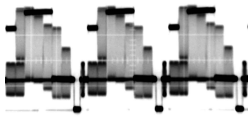
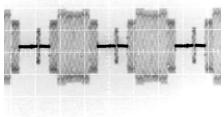
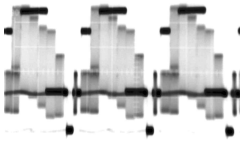
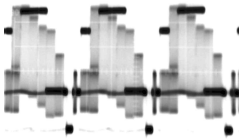
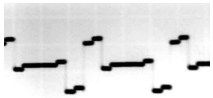
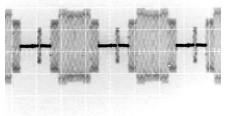
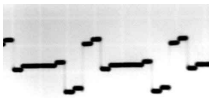
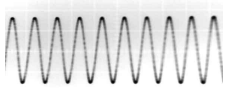
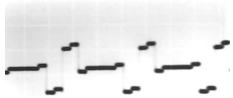
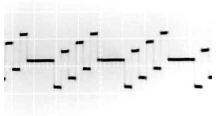


IC4501-9,14 REC
100mVp-p (1msec.div.)

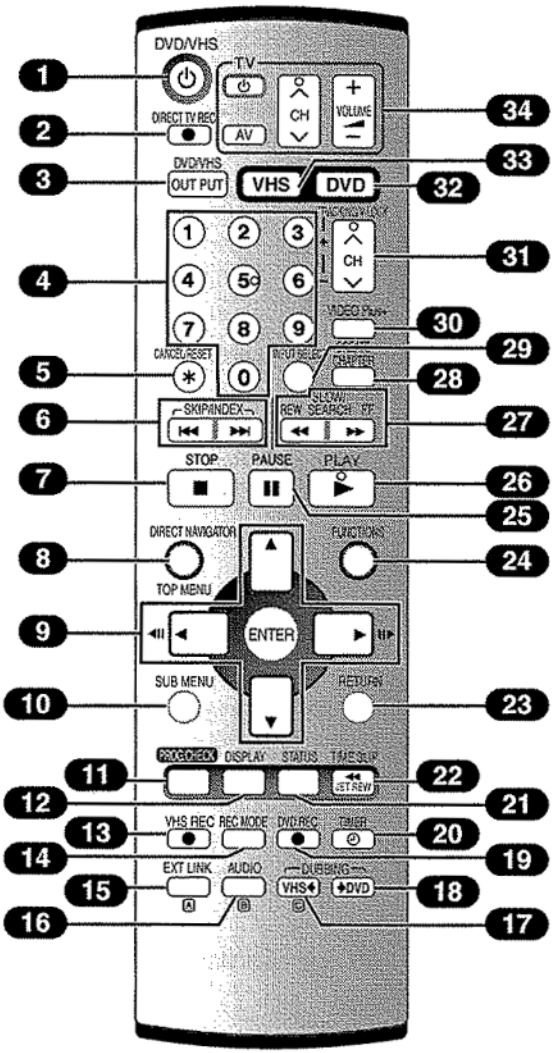


IC4501-21(TW4501) REC
1.5Vp-p (20µsec.div.)

IC4501-53,57 REC/PLAY
1.9Vp-p (0.2msec.div.)

| | | | | |
|---|---|---|---|---|
|  IC3903-25 REC/PLAY 2.1Vp-p (20μsec.div.) |  IC3903-26 REC/PLAY 2.1Vp-p (20μsec.div.) |  P39702-1 REC 0.7Vp-p (20μsec.div.) |  P39702-2 REC/PLAY 1.0Vp-p (20μsec.div) | P39702-5 REC 1.0Vp-p (20 μsec.div.) |
|  P39702-6 REC 1.0Vp-p (20μsec.div) | P39702-9 REC 1.2Vp-p (20μsec.div.) |  P39702-13 REC 1.2Vp-p (20μsec.div.) |  P39702-18 REC/PLAY 0.8Vp-p (20μsec.div) | P39702-22 REC/PLAY 1.0Vp-p (20 μsec.div.) |
| P39702-26 REC/PLAY 1.0Vp-p (20μsec.div.) | P39702-30 REC 2.0Vp-p (20μsec.div.) |  P39702-34 REC/PLAY 0.8Vp-p (20μsec.div.) |  P39702-48,50 REC/PLAY 1.5Vp-p (1msec.div.) |  P4501-12 REC/PLAY 1.2Vp-p (20μsec.div.) |
|  P4501-13 REC/PLAY 1.2Vp-p (20μsec.div.) | P4501-14 REC/PLAY 2.0Vp-p (20μsec.div.) | | | |
| | | | | |
| | | | | |
| | | | | |

## ■ Remote control




**■ [VHS] and [DVD] button**

**[DVD]**

- Switch the remote control mode to DVD. Make sure you press before doing DVD operations. When in DVD mode, the [DVD] button lights each time you press one of the DVD operation buttons.

**[VHS]**

- Switch the remote control mode to VHS. Make sure you press before doing VHS operations. When in VHS mode, the [VHS] button lights each time you press one of the buttons on the remote control.

1. **DVD/VHS on/off button (⏻, DVD/VHS)**
2. **Direct TV recording button (●, DIRECT TV REC)**
3. **DVD/VHS output button (OUTPUT, DVD/VHS)**
4. **Numeric buttons (0–9)**
5. **Cancel/Reset and asterisk button (✳, CANCEL/RESET)**
6. **Skip/Index buttons (⏮, ⏭, SKIP/INDEX)**
7. **Stop button (■, STOP)**
8. **Top menu and Direct Navigator button (TOP MENU, DIRECT NAVIGATOR)**
9. **Cursor buttons (▲, ▼, ◀, ▶)/Frame buttons (◀II, II▶)/ Enter button (ENTER)**
10. **Sub menu button (SUB MENU)**
11. **Manual programming and check button (PROG/CHECK)**
12. **Display button (DISPLAY)**
13. **VHS recording button (●, VHS REC)**

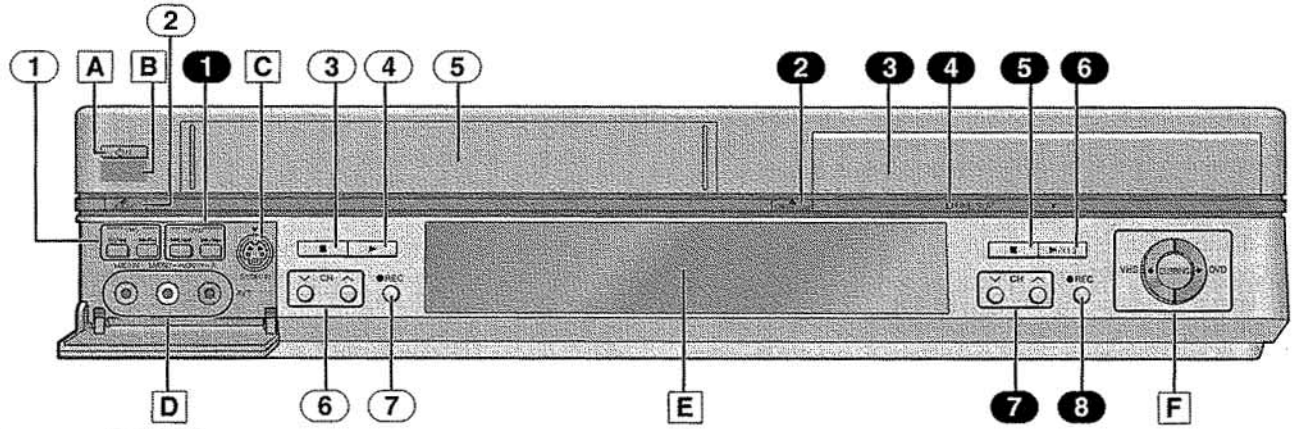
**When you press this button in the DVD remote control mode, it is automatically switched to the VHS remote control mode.**

14. **Recording mode button (REC MODE)**
15. **External link button (EXT LINK)**
16. **Audio button (AUDIO)**
17. **VHS dubbing button (VHS ⏵, DUBBING)**
18. **DVD dubbing button (⏵ DVD, DUBBING)**
19. **DVD recording button (●, DVD REC)**

**When you press this button in the VHS remote control mode, it is automatically switched to the DVD remote control mode.**

20. **Timer recording button (◴, TIMER)**
21. **Status display button (STATUS)**
22. **Time slip button (TIME SLIP)**
    **Jet rewind button (◀◀, JET REW)**
23. **Return button (RETURN)**
24. **Functions (FUNCTIONS)**
25. **Pause button (II, PAUSE)**
26. **Play button (▶, PLAY)**
27. **Slow/Search, rewind, forward buttons (◀◀, ▶▶, SLOW/SEARCH, REW, FF)**
28. **Create Chapter button (CREATE CHAPTER)**
29. **Input select button (INPUT SELECT)**
30. **VIDEO Plus+ button (VIDEO Plus+)**
31. **TRACKING/V-LOCK /Channel up/down buttons (CH, ∧, ∨)**
32. **DVD select button (DVD)**
33. **VHS select button (VHS)**
34. **TV operation buttons**
    TV on/off button (TV, ⏻)
    TV input mode selecter (AV)
    Channel up/down buttons (CH, ∧, ∨)
    Volume up/down buttons (VOLUME, +, −)

## ■ Main unit




**Common to DVD/VHS**

- A DVD/VHS on/off button (⏻/I)
- B Remote control signal sensor
- C S-Video input terminal (S-VIDEO IN)
- D AV3 input terminals (AV3)
- E Display
- F One Touch Dubbing operation button
  - From VHS to DVD
  - From DVD to VHS

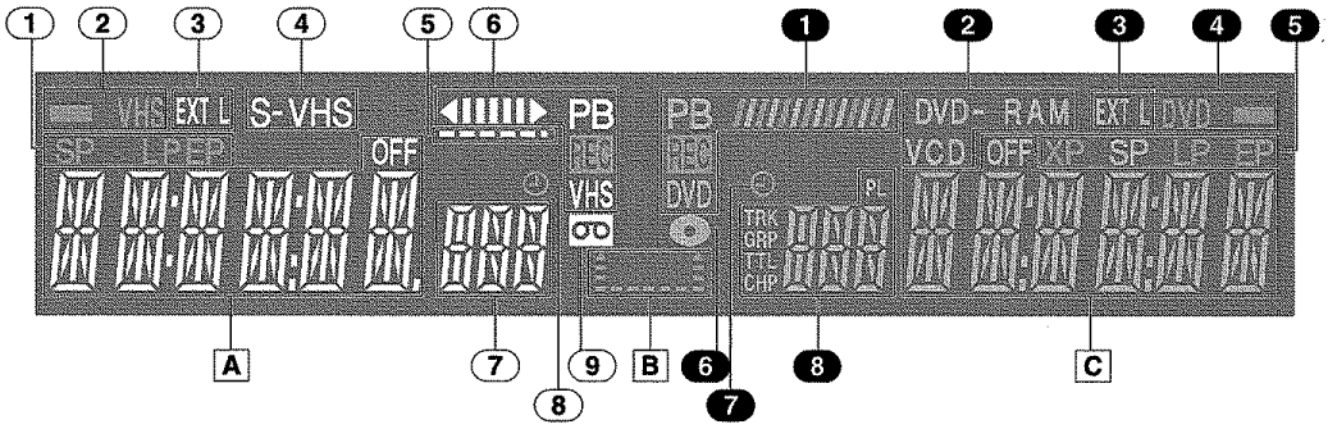
**VHS**

1. VHS Search buttons (⏪/◀◀, ▶▶/⏩)
2. Cassette eject button (▲, EJECT)
3. VHS Stop button (■)
4. VHS Play button (▶)
5. Cassette compartment
6. VHS Channel up/down buttons (CH, ∧, ∨)
7. VHS Recording button (●, REC)

**DVD**

1. DVD Skip/Slow/Search buttons (⏮/◀◀, ▶▶/⏭)
2. Disc tray open/close button (▲, OPEN/CLOSE)
3. Disc tray
4. Time slip indicator (TIME SLIP)
   - While both recording and play are activated, this indicator lights up.
5. DVD Stop button (■)
6. DVD Play/×1.3 button (▶/×1.3)
7. DVD Channel up/down buttons (CH, ∧, ∨)
8. DVD Recording button (●, REC)

## ■ The unit's display




**Common to DVD/VHS**

Ⓐ **Main display**
- Current time
- VHS recording and play counter
- Miscellaneous messages, etc.

Ⓑ **Dubbing direction indicator**

Ⓒ **Main display**
- Current time
- Disc play counter
- Miscellaneous messages, etc.

**VHS**

① **Tape speed indicator**
- SP: When recording or playing in the Normal mode.
- LP: When playing in the Long play mode.
- EP: When recording or playing in the Extra long play mode.

② **VHS output indicator**

③ **External link indicator**

**On:**

When a linked timer recording with external device is in standby mode, or being performed.

④ **S-VHS dubbing indicator**

When performing S-VHS dubbing.

⑤ **Remaining tape time indicator**

⑥ **Tape operation status**
- The operation status of this unit, such as playback fast forward, etc.

⑦ **Channel indicator**

⑧ **Timer programme display (◴)**

**On:**

When a programme for timer recording is in standby mode, or being performed.

**Flashes:**

When there are less than 10 minutes to go before timer recording is programmed, but the unit is not on standby.

⑨ **Tape indicator**

**DVD**

❶ **Disc operation status**

❷ **Disc type**

❸ **External link indicator**

**On:**

When a linked timer recording with external device is in standby mode, or being performed.

❹ **DVD output indicator**

❺ **Recording mode**
- XP SP LP EP (all on): FR mode

❻ **Disc indicator**

❼ **Timer programme display (◴)**

**On:**

When a programme for timer recording is in standby mode, or being performed.

**Flashes:**

When there are less than 10 minutes to go before timer recording is programmed, but the unit is not on standby.

❽ **Channel position indicator**

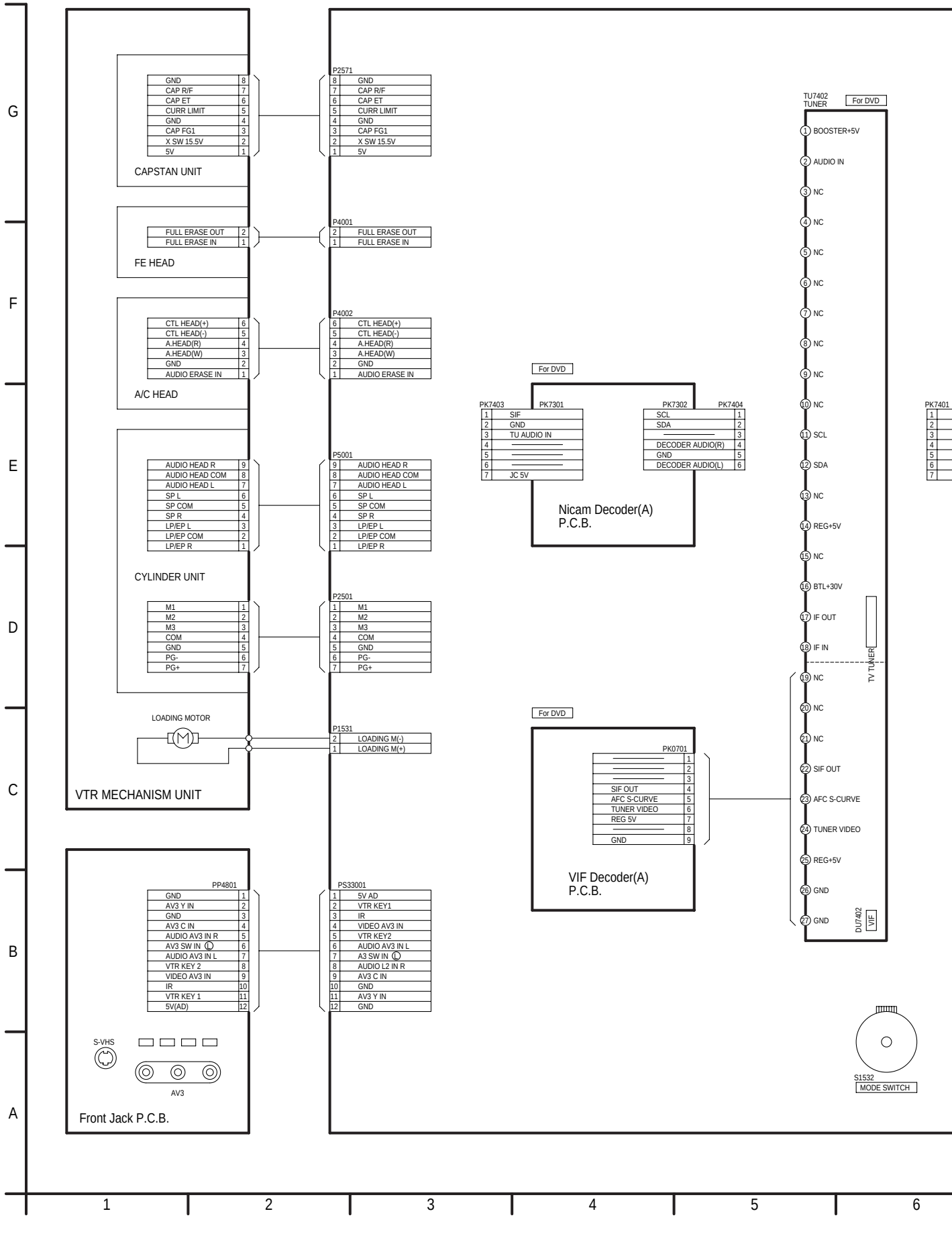
| | |
|---|---|
| **TRK:** | track number |
| **GRP:** | group number |
| **TTL:** | title number |
| **CHP:** | chapter number |
| **PL:** | play list number |

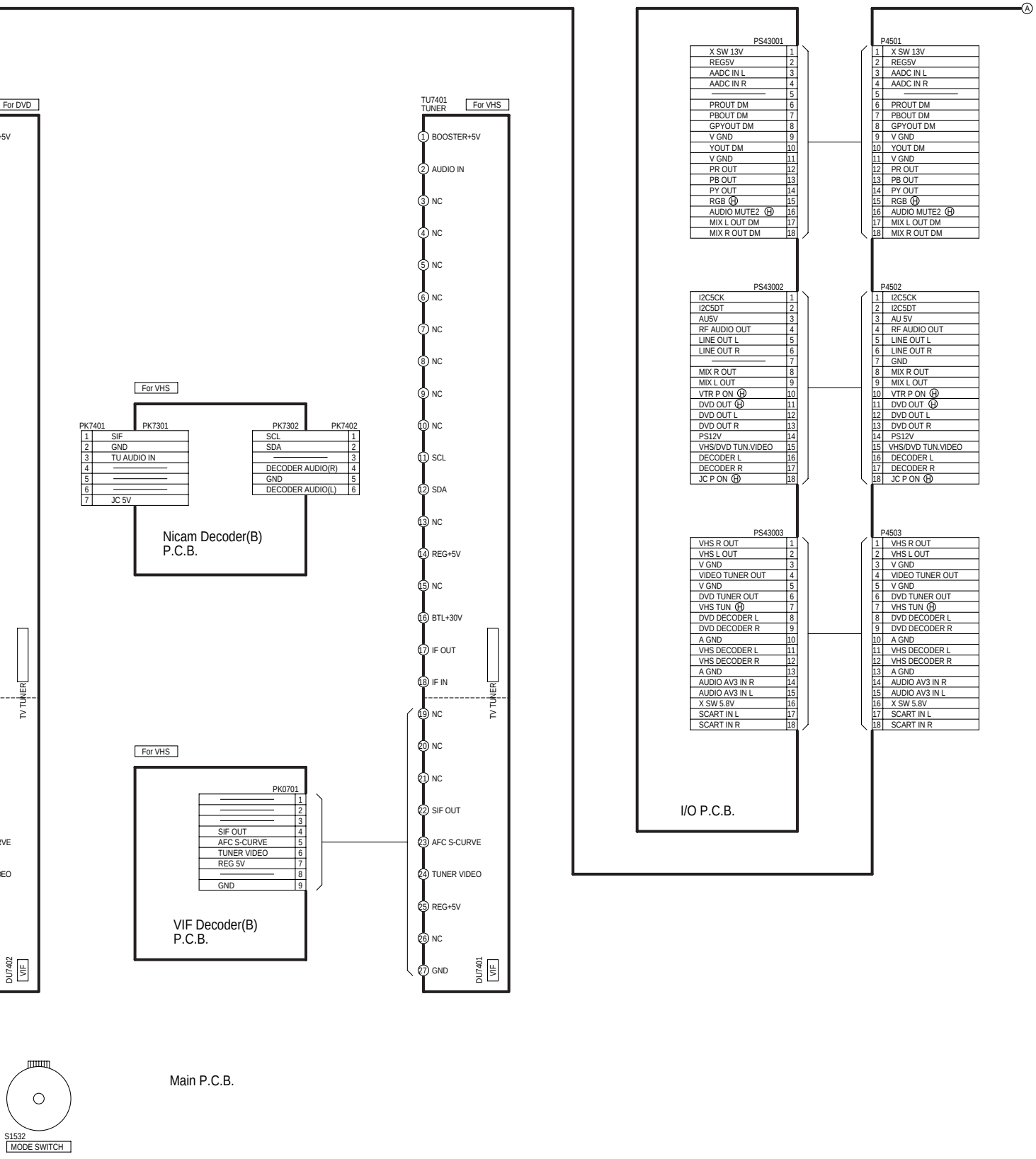
**Note**
- A half mirror is used for the unit's display so the display may occasionally be difficult to see depending on surrounding conditions.
- If "FL Display" is set to "Automatic", the unit's display will not light up. Also, in addition to the aforementioned conditions, if the power is off and the unit is in timer recording standby mode, only ◴ lights up in the display.

| Ref No. | P9001 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MODE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| REC | 2.0 | 1.2 | 0 | 0 | 1.3 | 1.3 | 0 | 0 | 1.3 | - | 0 | 0 | 1.3 | 0 | 3.4 | 0 | 4.8 | 1.5 | 5.0 | 0 |
| PLAY | 2.0 | 1.2 | 0 | 0 | 1.3 | 1.3 | 0 | 0 | 1.3 | - | 0 | 0 | 1.3 | 0 | 3.4 | 0 | 4.8 | 1.5 | 5.0 | 0 |
| STOP | 2.0 | 1.2 | 0 | 0 | 1.3 | 1.3 | 0 | 0 | 1.3 | - | 0 | 0 | 1.3 | 0 | 3.4 | 0 | 4.8 | 1.5 | 5.0 | 0 |
| Ref No. | P9001 | | | | | | | | | | | | | | | | | | | |
| MODE | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| REC | 5.0 | 1.2 | 3.4 | 0 | 3.4 | 1.2 | 5.0 | 0 | 5.1 | 1.0 | 5.2 | 0 | 4.9 | 1.0 | 5.0 | 0 | 5.0 | 0.3 | 5.1 | 0 |
| PLAY | 5.0 | 1.2 | 3.4 | 0 | 3.4 | 1.2 | 5.0 | 0 | 5.1 | 1.0 | 5.2 | 0 | 4.9 | 1.0 | 5.0 | 0 | 5.0 | 0.3 | 5.1 | 0 |
| STOP | 5.0 | 1.0 | 3.4 | 0 | 3.4 | 1.0 | 5.0 | 0 | 5.1 | 1.0 | 5.2 | 0 | 4.9 | 1.0 | 5.0 | 0 | 5.0 | 0.3 | 5.1 | 0 |
| Ref No. | P9001 | | | | | | | | | | | | | | | | | | | |
| MODE | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| REC | 0.1 | 3.4 | - | 0 | 3.4 | 0 | 3.1 | 2.5 | - | 2.5 | - | 0 | - | 0 | - | 0 | 0 | 2.5 | 0 | 0 |
| PLAY | 0.1 | 3.4 | - | 0 | 3.4 | 0 | 3.1 | 2.5 | - | 2.5 | - | 0 | - | 0 | - | 0 | 0 | 2.5 | 0 | 0 |
| STOP | 0.1 | 3.4 | - | 0 | 3.4 | 0 | 3.2 | 2.5 | - | 2.5 | - | 0 | - | 0 | - | 0 | 0 | 2.5 | 0 | 0 |
| Ref No. | P9001 | | | | | | | | | | | | | | | | | | | |
| MODE | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| REC | 0 | 2.5 | 0 | 0 | 4.7 | - | 0 | 4.9 | 5.0 | 2.4 | - | 1.7 | - | 3.4 | 3.3 | 3.5 | 0 | 1.5 | 5.0 | 1.5 |
| PLAY | 0 | 2.5 | 0 | 0 | 4.7 | - | 0 | 4.9 | 5.0 | 2.4 | - | 1.7 | - | 3.4 | 3.3 | 3.5 | 0 | 1.5 | 5.0 | 1.5 |
| STOP | 0 | 2.5 | 0 | 0 | 4.7 | - | 0 | 4.9 | 5.0 | 2.4 | - | 1.7 | - | 3.5 | 3.3 | 3.5 | 0 | 1.5 | 5.0 | 1.5 |
| Ref No. | P9001 | | | | | | | | | | | | | | | | | | | |
| MODE | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | | | | | | | | | | | | |
| REC | 5.9 | 1.2 | 5.0 | 1.5 | 5.9 | 1.2 | 5.9 | 1.2 | | | | | | | | | | | | |
| PLAY | 5.9 | 1.2 | 5.0 | 1.5 | 5.9 | 1.2 | 5.9 | 1.2 | | | | | | | | | | | | |
| STOP | 5.9 | 1.2 | 5.0 | 1.5 | 5.9 | 1.2 | 5.9 | 1.2 | | | | | | | | | | | | |

# 21 Schematic Diagram

## 21.1. Interconnection Schematic Diagram



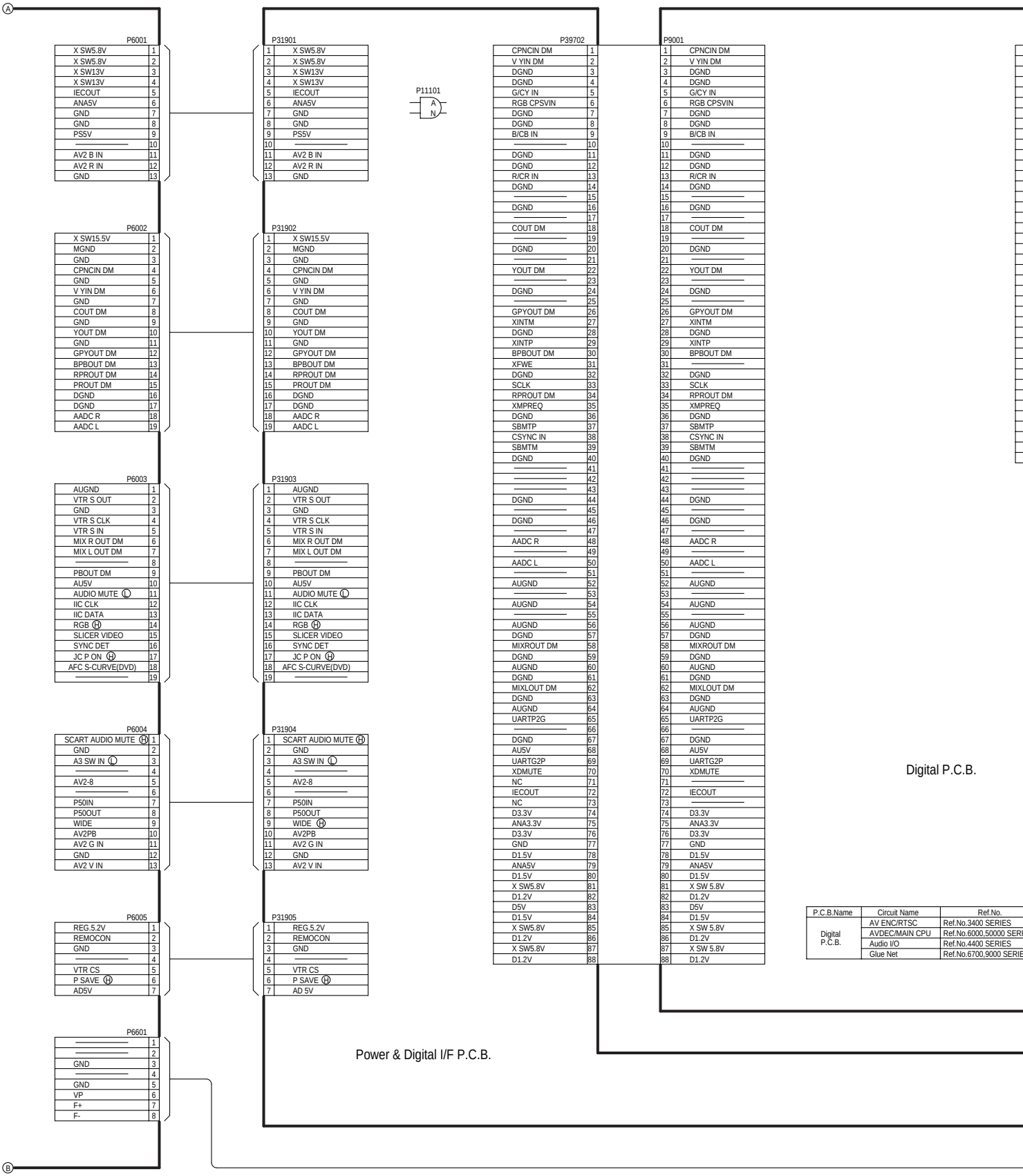



Main P.C.B.

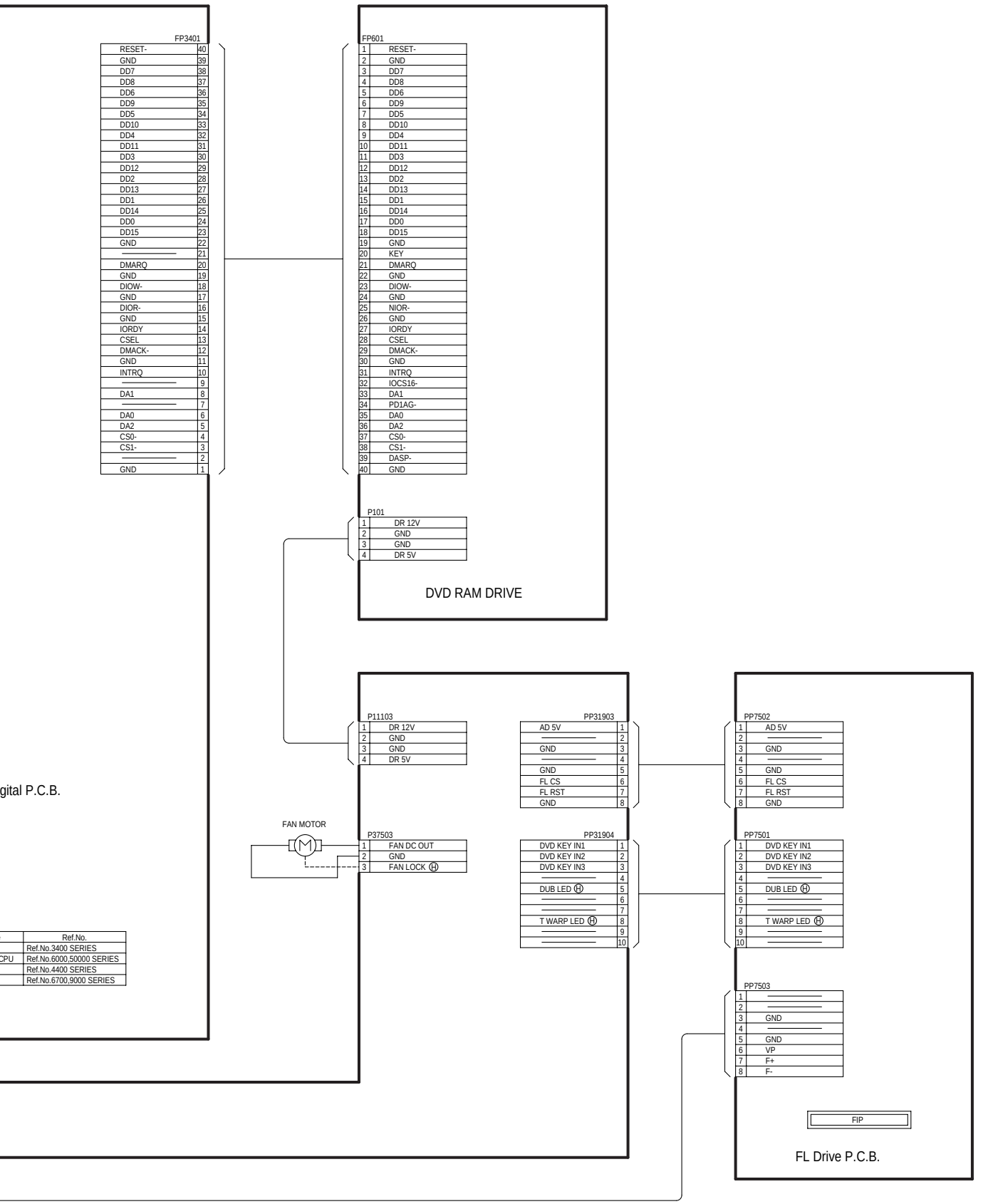
S1532
MODE SWITCH

DMR-E75VEB/EG
Interconnection
Schematic Diagram

6 7 8 9 10 11




DMR-E75VEB/EG
Interconnection
Schematic Diagram



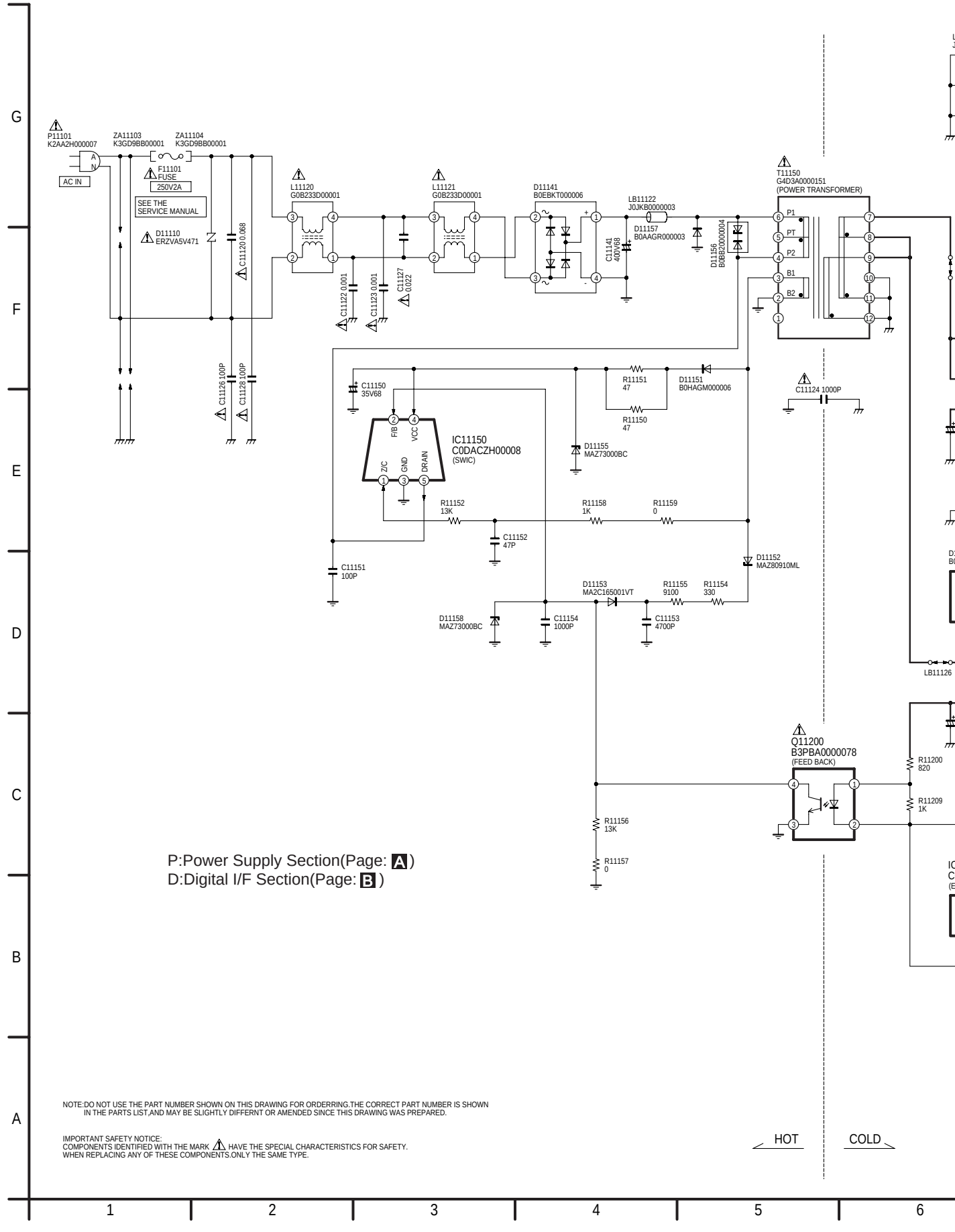

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING.
THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE
SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

B/EG
n
agram

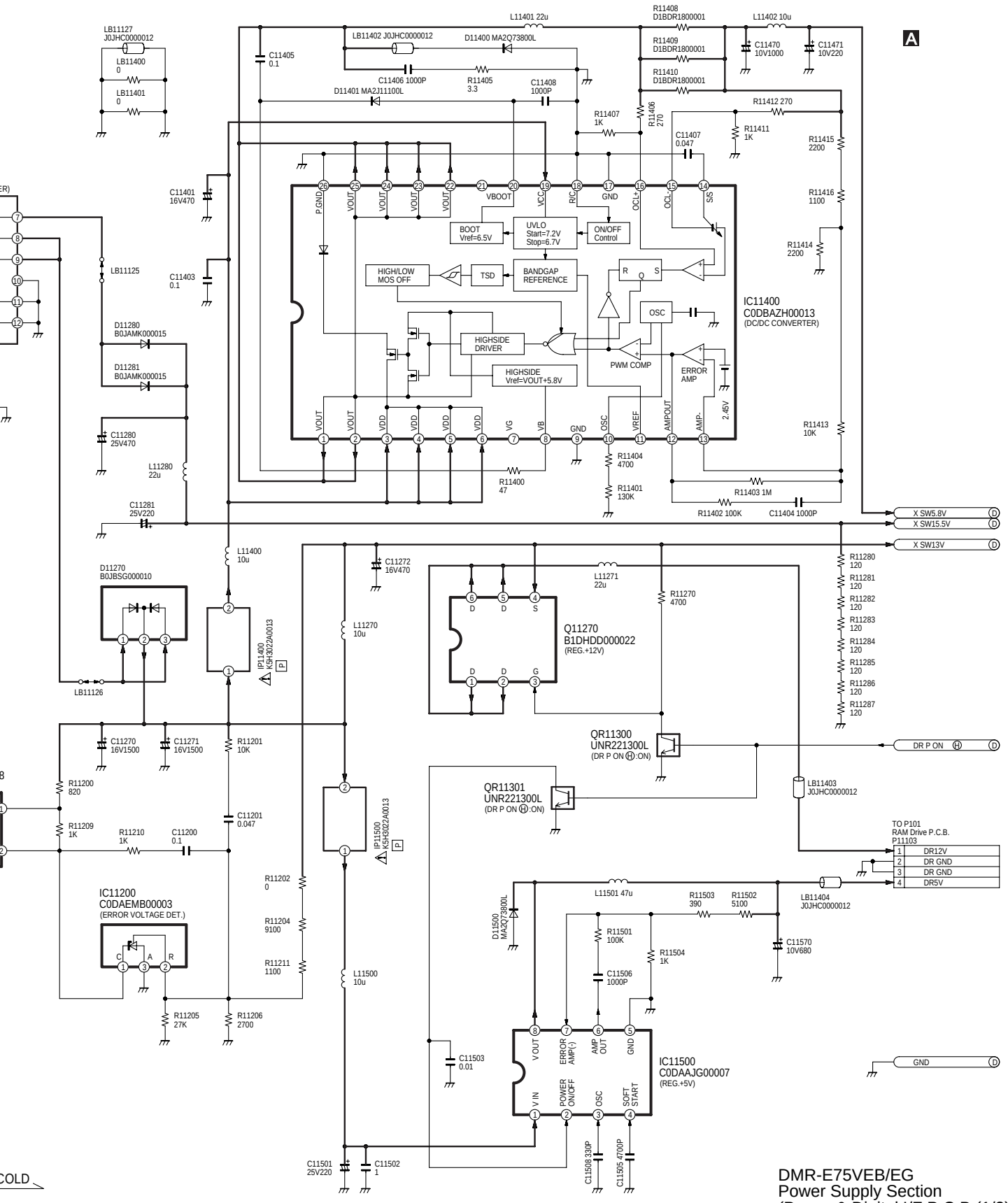
DMR-E75VEB/EG
Interconnection
Schematic Diagram

17 | 18 | 19 | 20 | 21 | 22

# 21.2. Power Supply Section (Power & Digital I/F P.C.B.(1/2)) Schematic Diagram



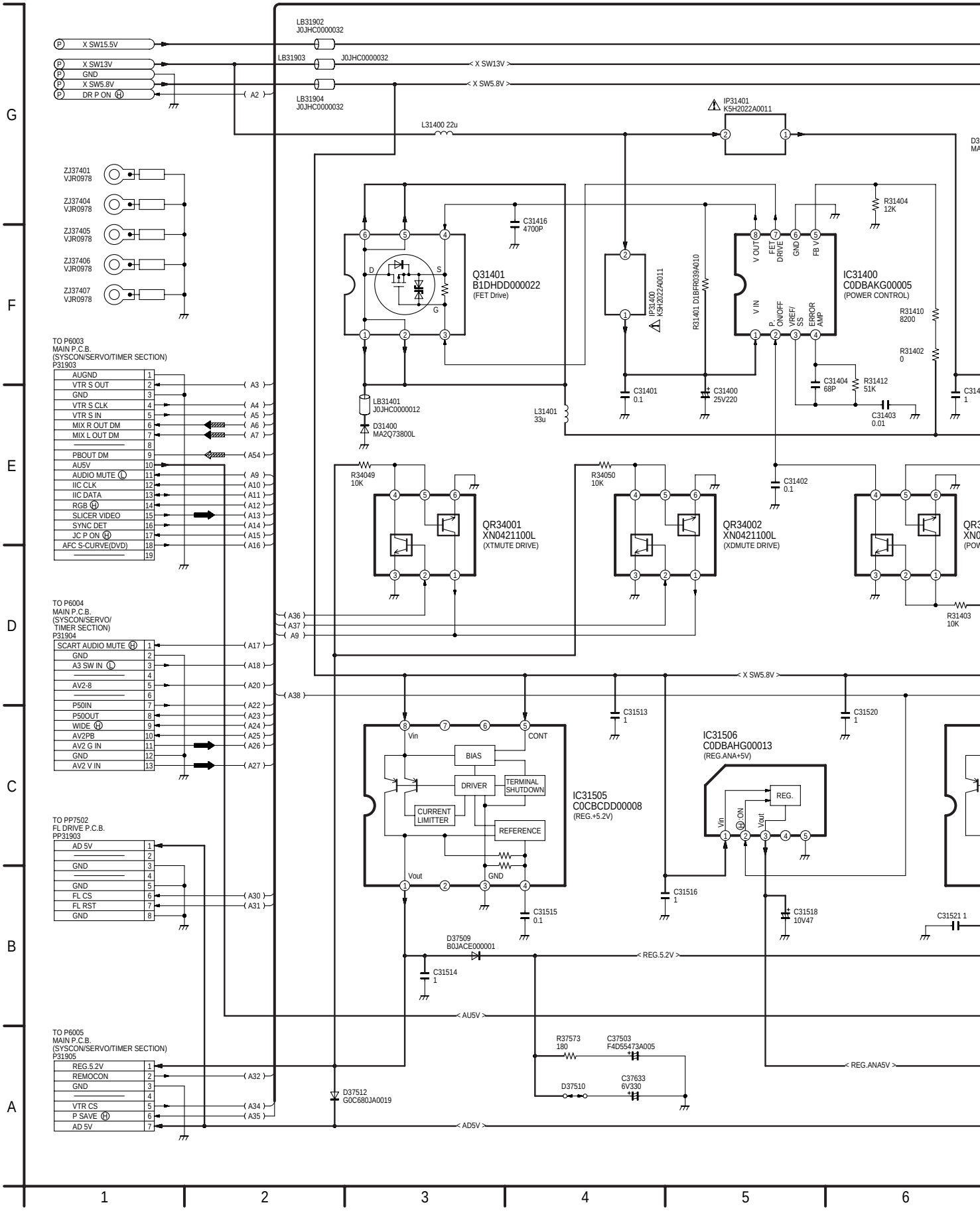
# Diagram (P)



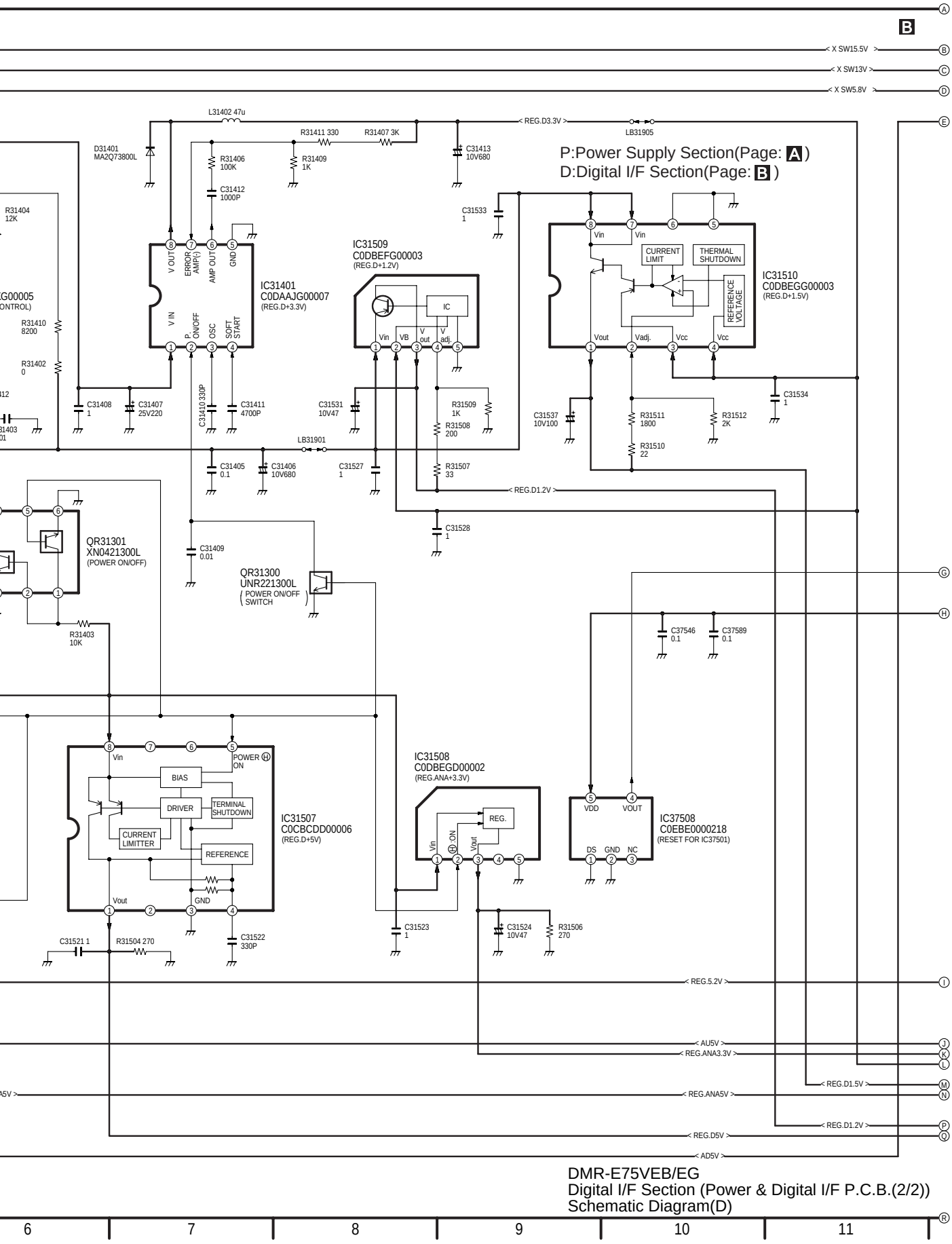

DMR-E75VEB/EG
Power Supply Section
(Power & Digital I/F P.C.B.(1/2))
Schematic Diagram(P)

6 | 7 | 8 | 9 | 10 | 11

# 21.3. Digital I/F Section (Power & Digital I/F P.C.B.(2/2)) Schematic Diagram (D)

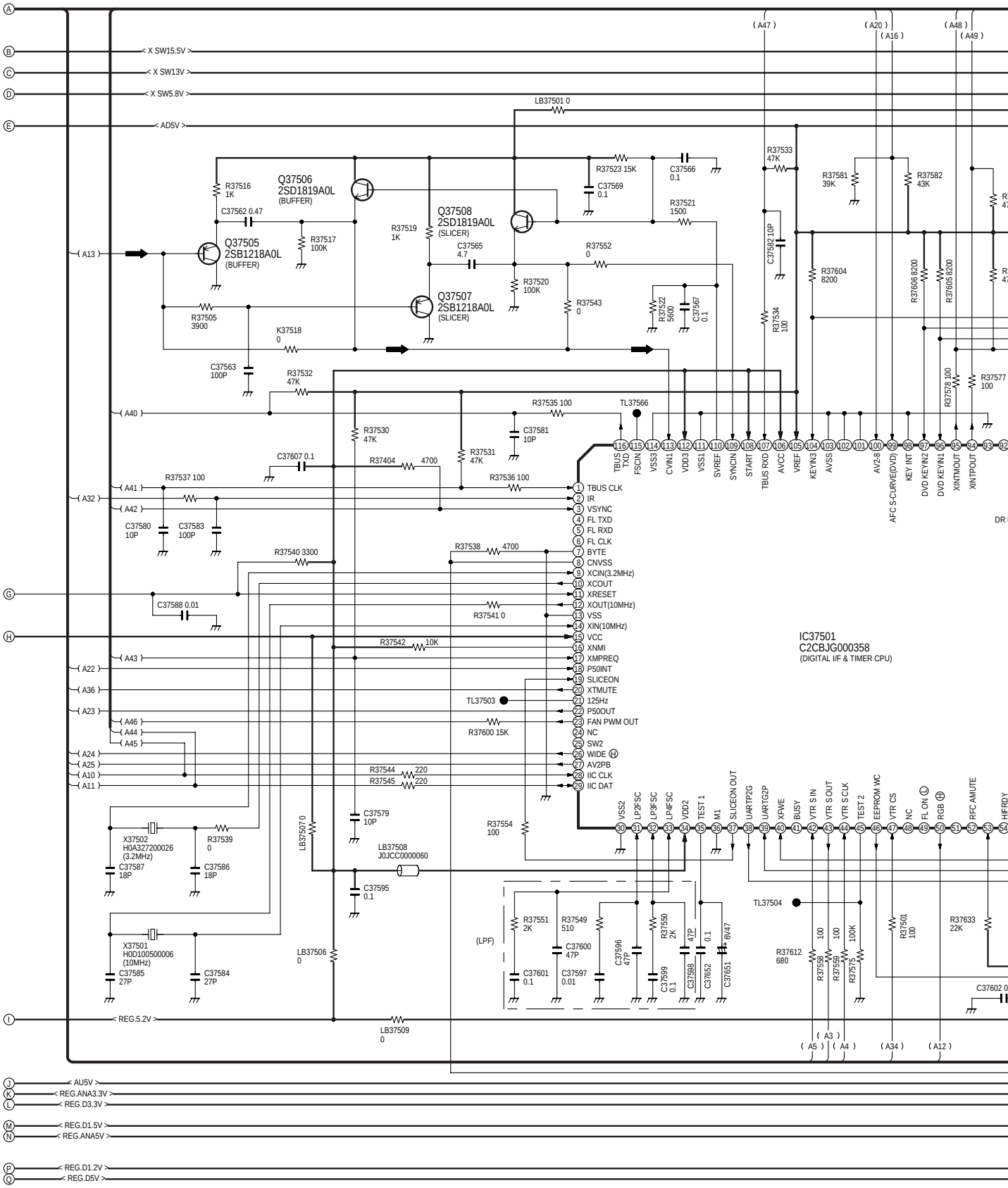


# (D)



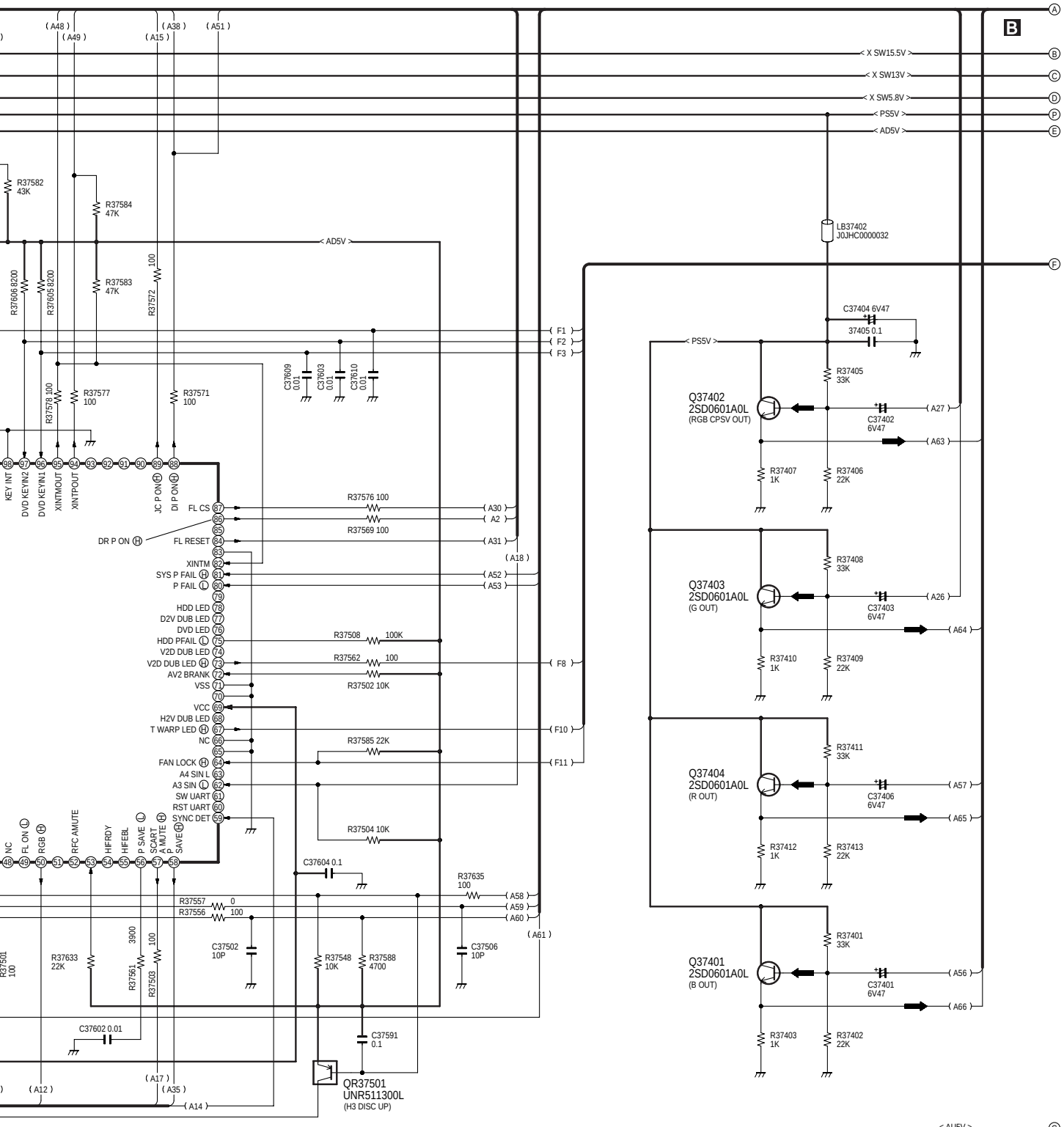

DMR-E75VEB/EG
Digital I/F Section (Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

6 | 7 | 8 | 9 | 10 | 11




DMR-E75VEB/EG
Digital I/F Section
(Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

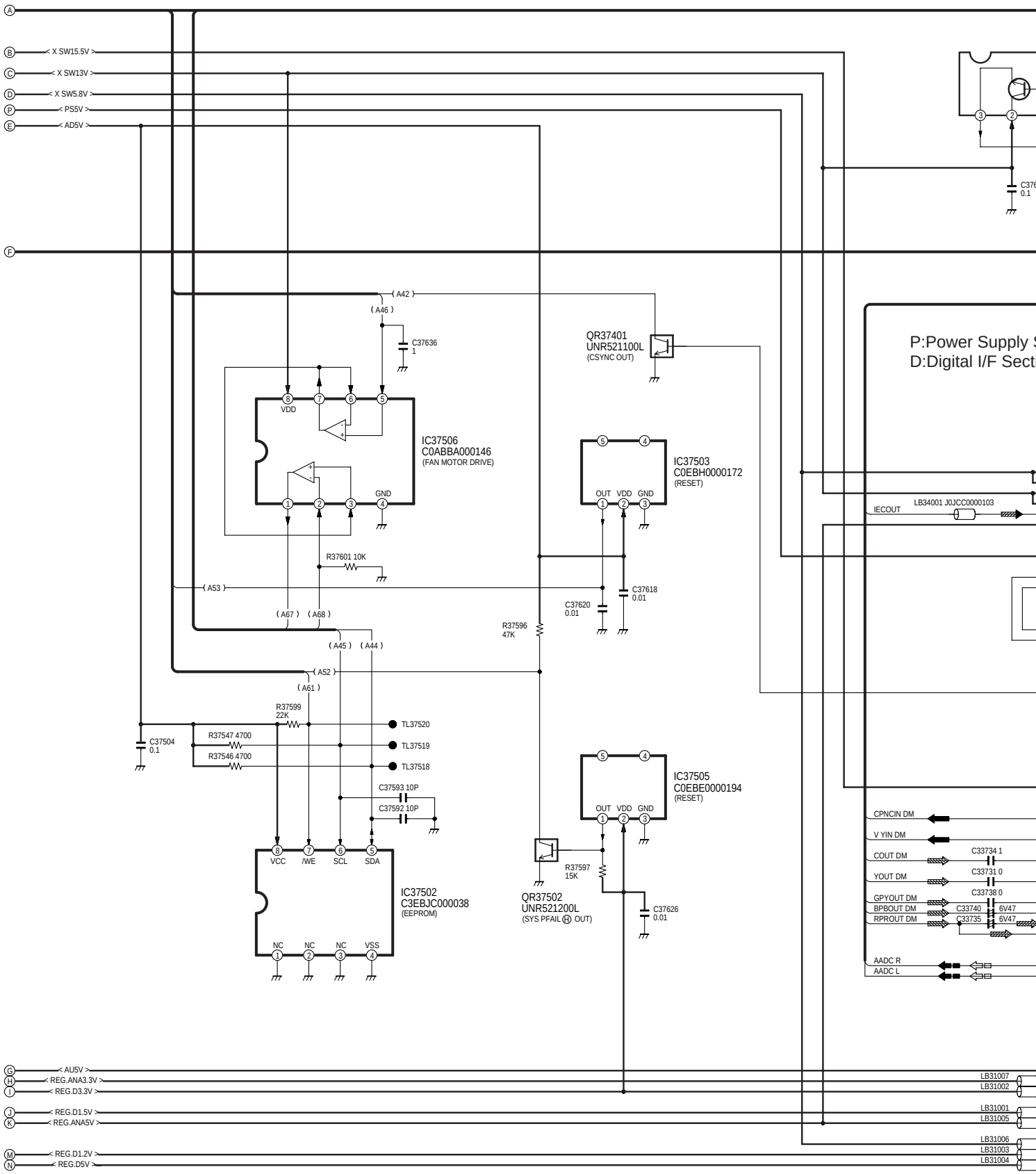
12 | 13 | 14 | 15 | 16 | 17




DMR-E75VEB/EG
Digital I/F Section
(Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

.(2/2))

17 | 18 | 19 | 20 | 23 | 24

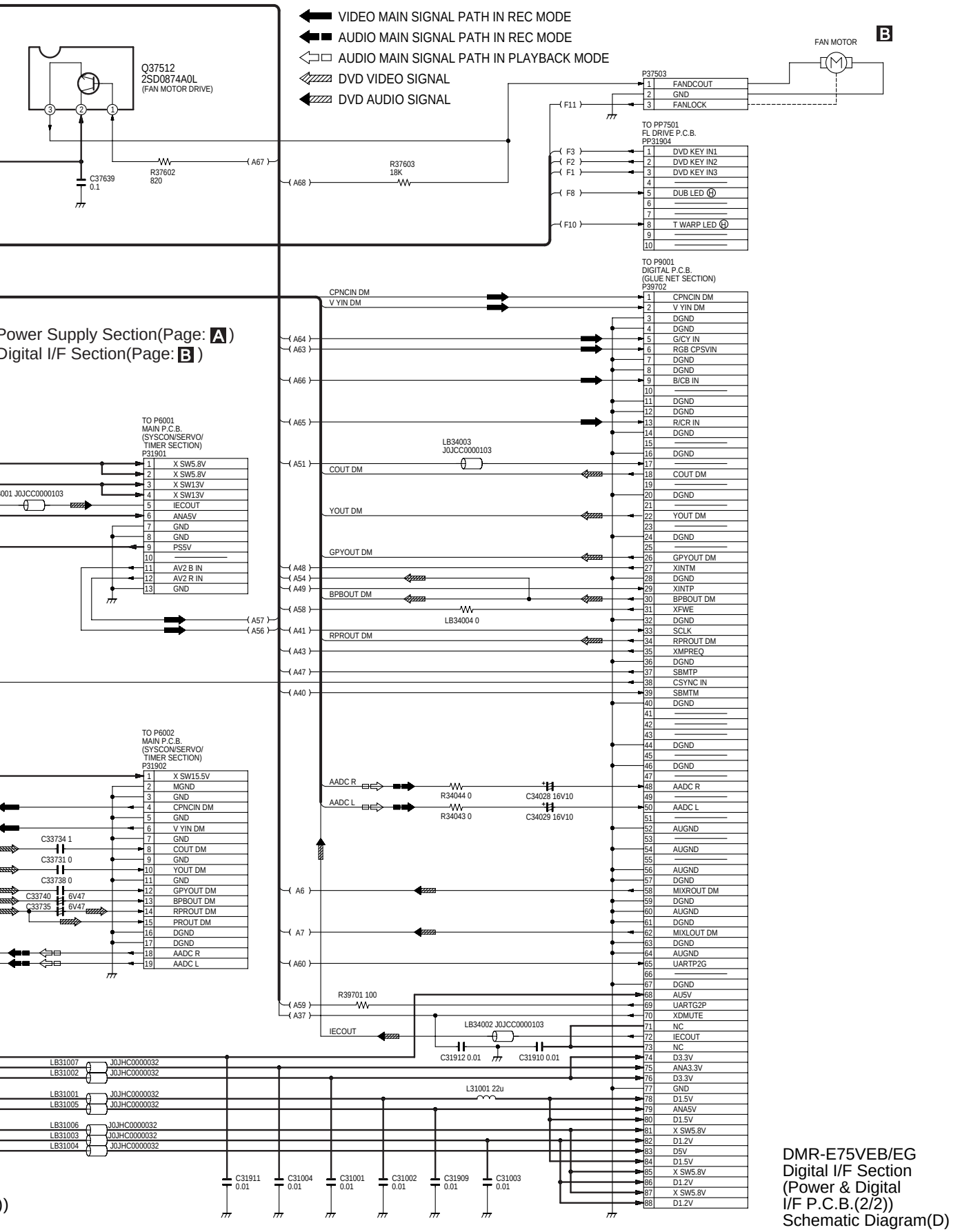



IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS.ONLY THE SAME TYPE.

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

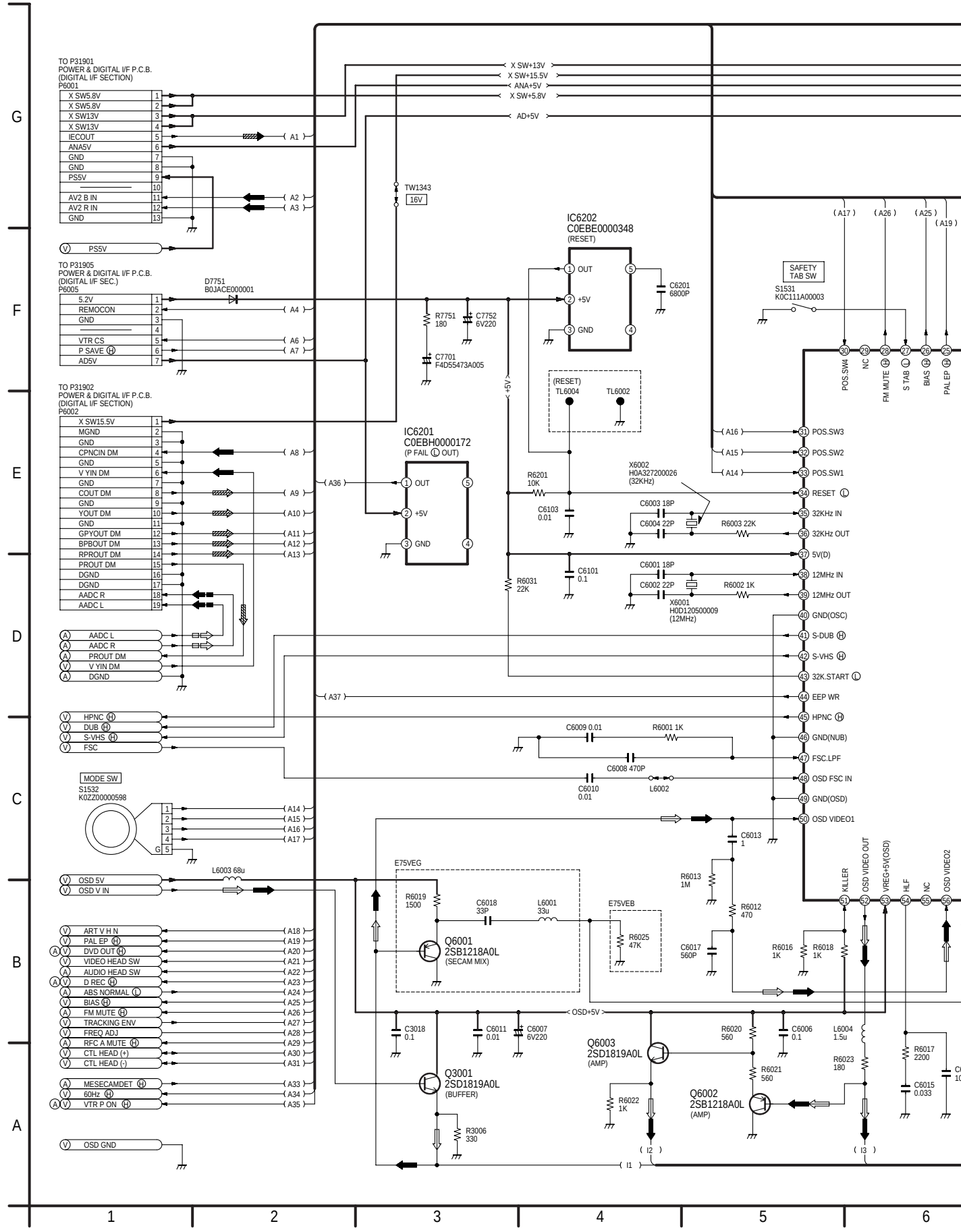
DMR-E75VEB/EG
Digital I/F Section
(Power & Digital I/F P.C.B.(2/2))
Schematic Diagram(D)

25 | 26 | 27 | 28 | 29 | 30

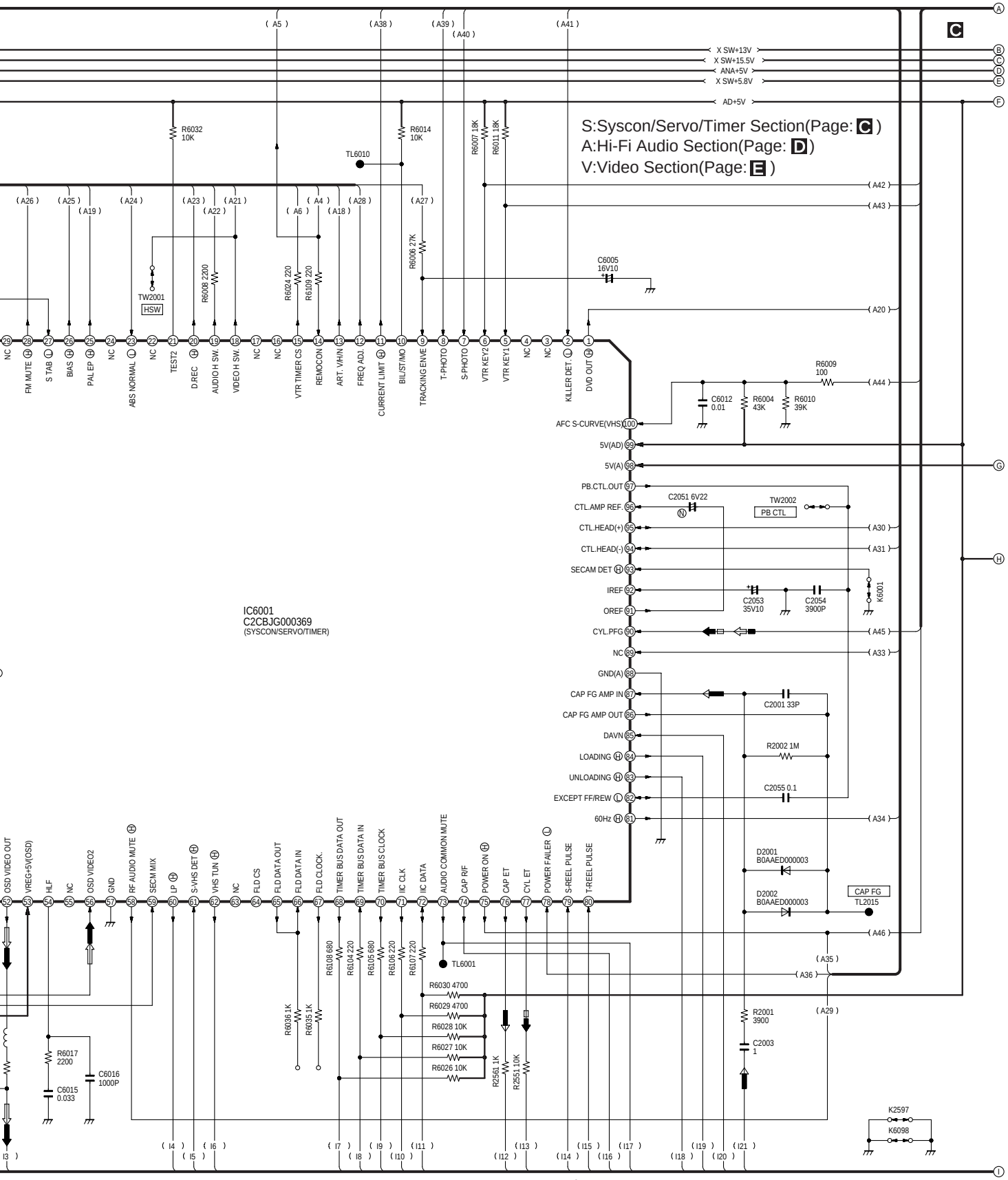



DMR-E75VEB/EG
Digital I/F Section
(Power & Digital
I/F P.C.B.(2/2))
Schematic Diagram(D)

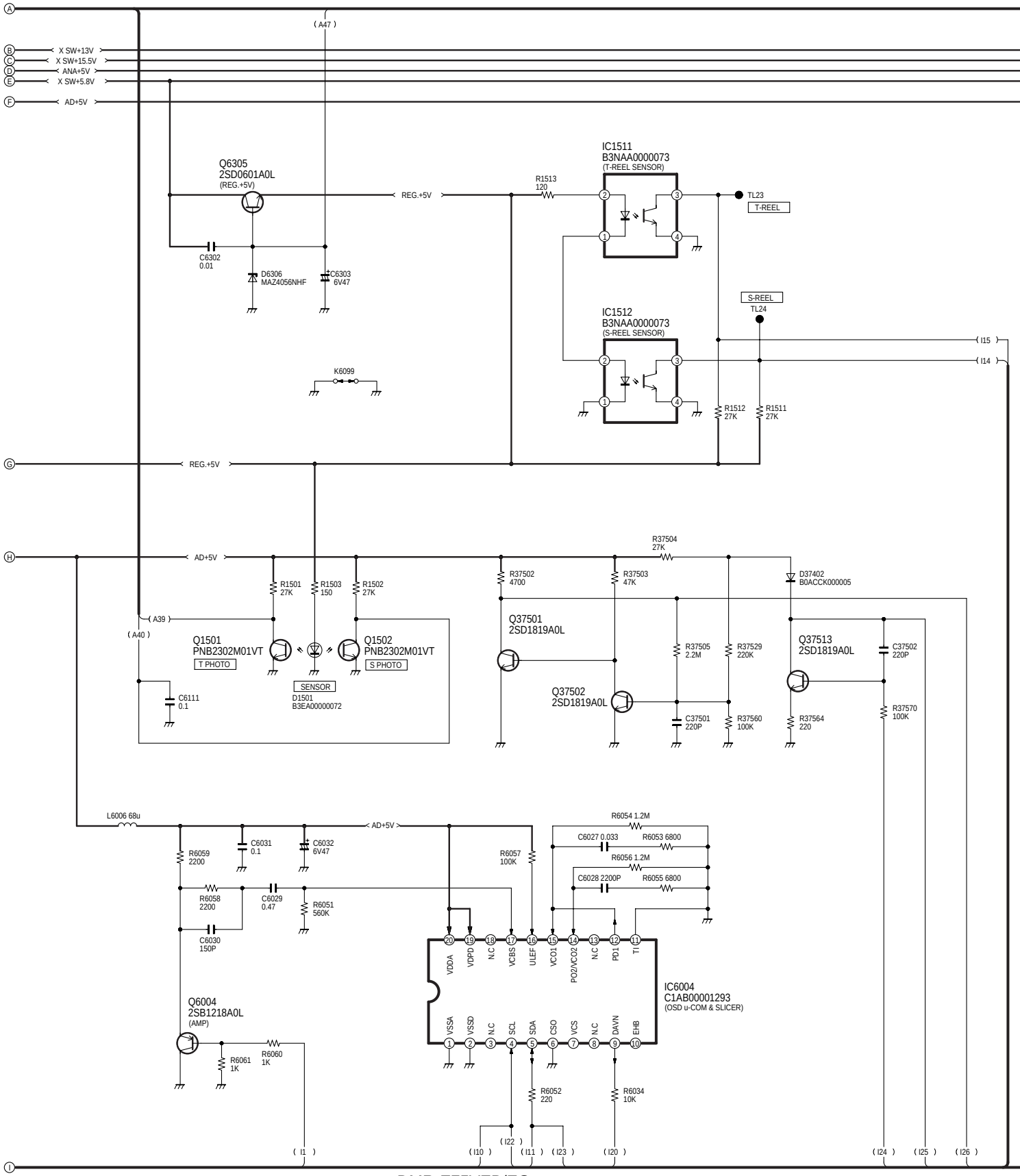
# 21.4. Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram (S)



**(S)**

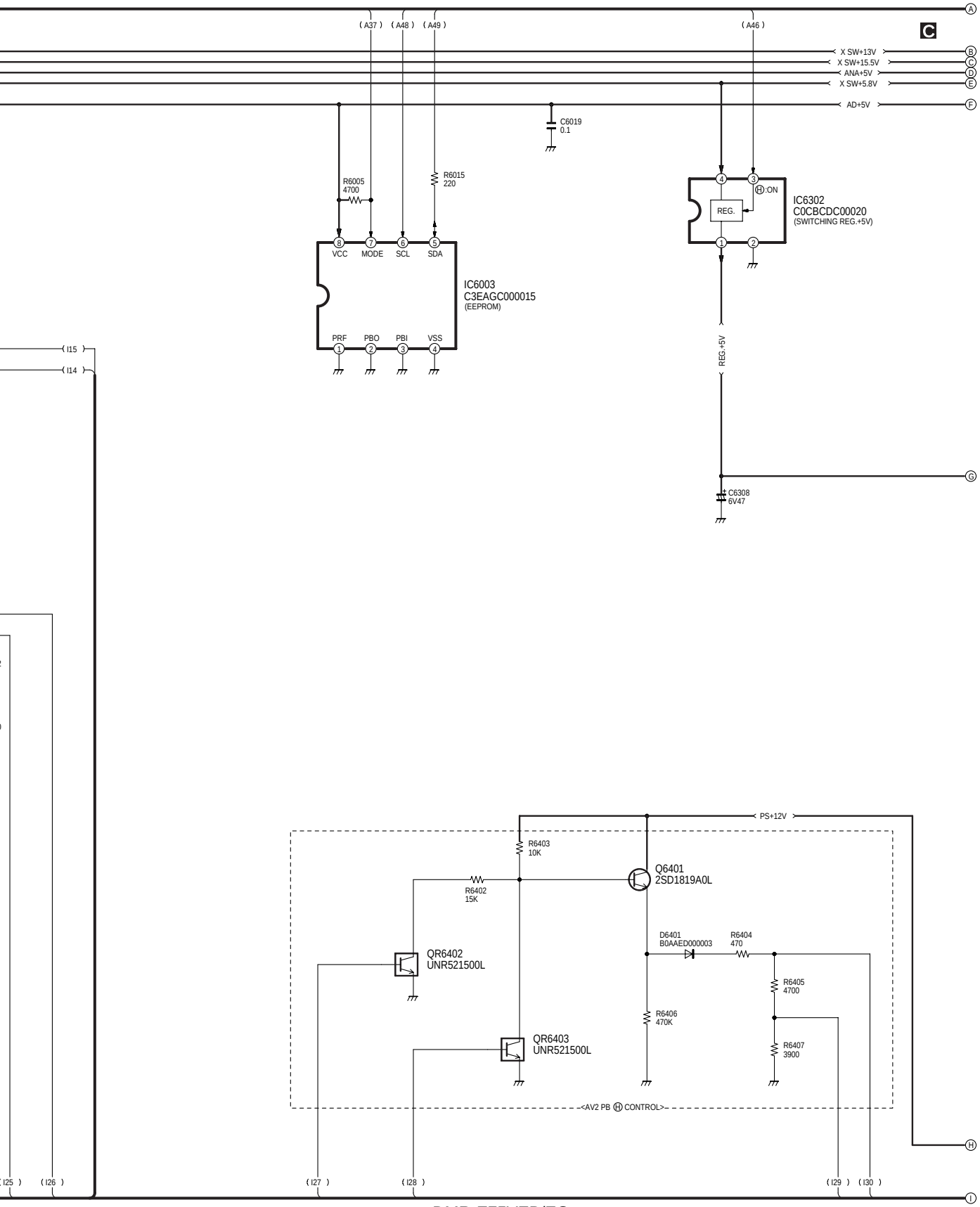



DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)



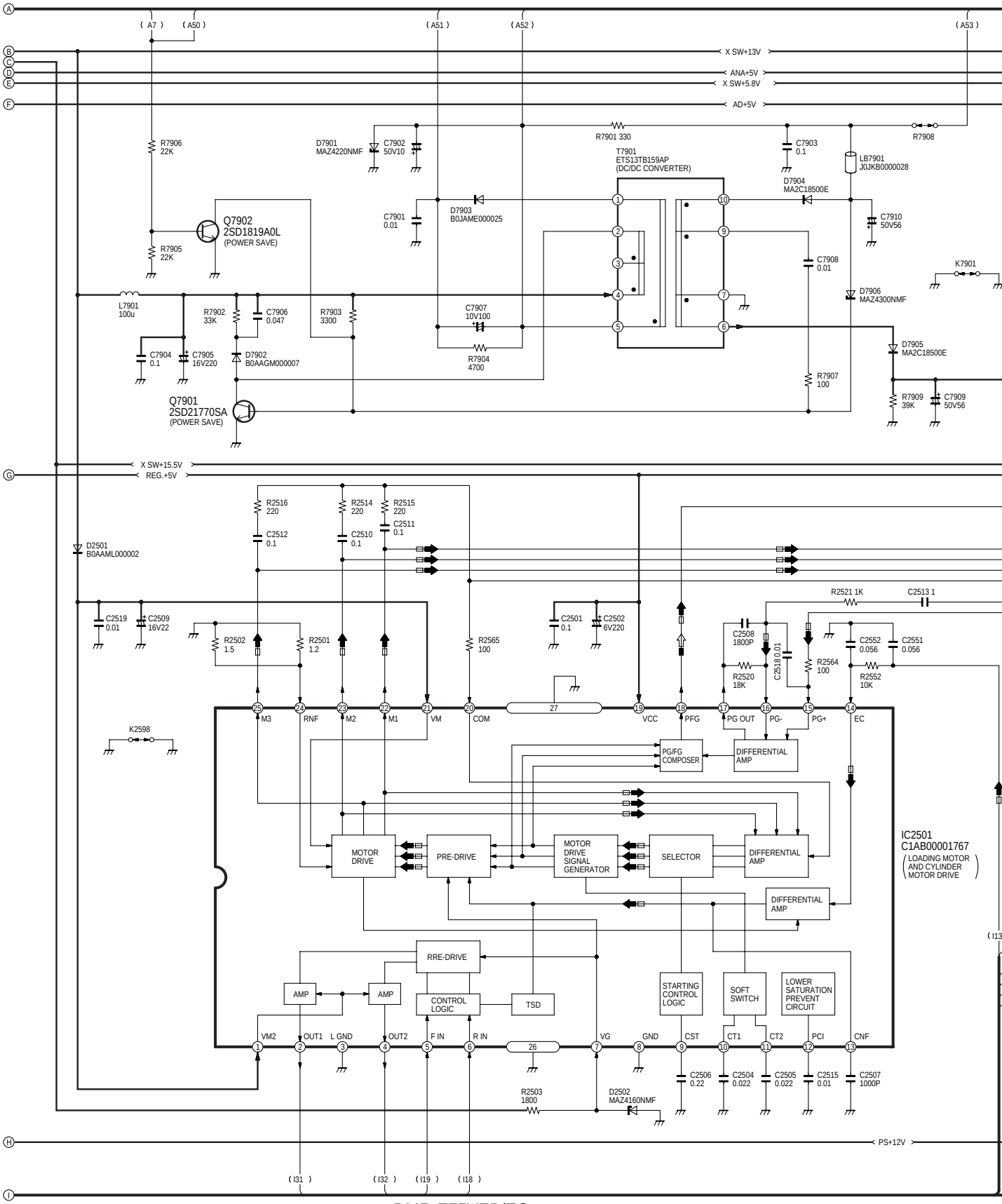

DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)

12 | 13 | 14 | 15 | 16 | 17




DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)

17 | 18 | 19 | 20 | 21 | 22

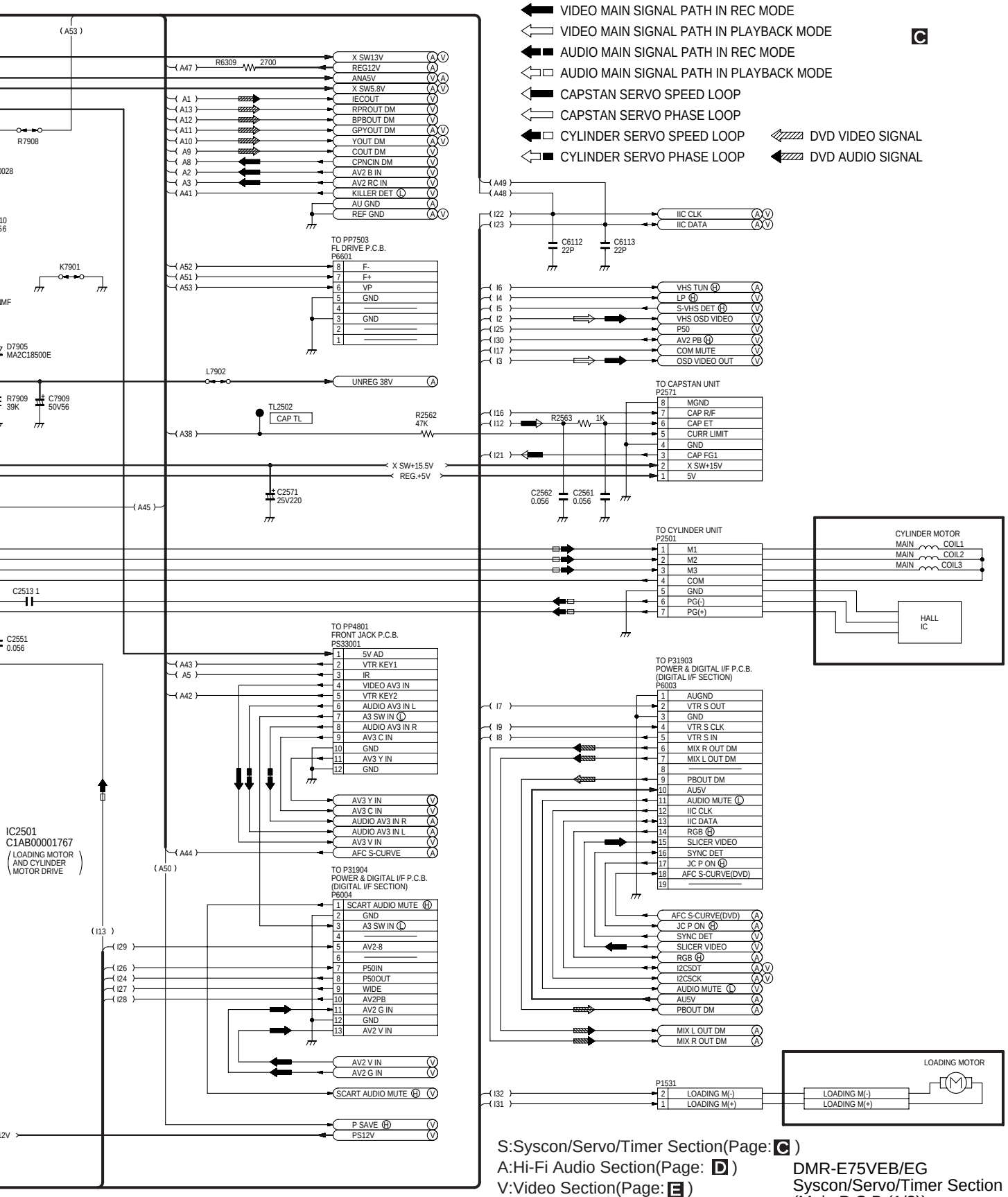



DMR-E75VEB/EG

Syscon/Servo/Timer Section (Main P.C.B.(1/3)) Schematic Diagram(S)

NOTE:DO ORDER

23 | 24 | 25 | 26 | 27 | 28



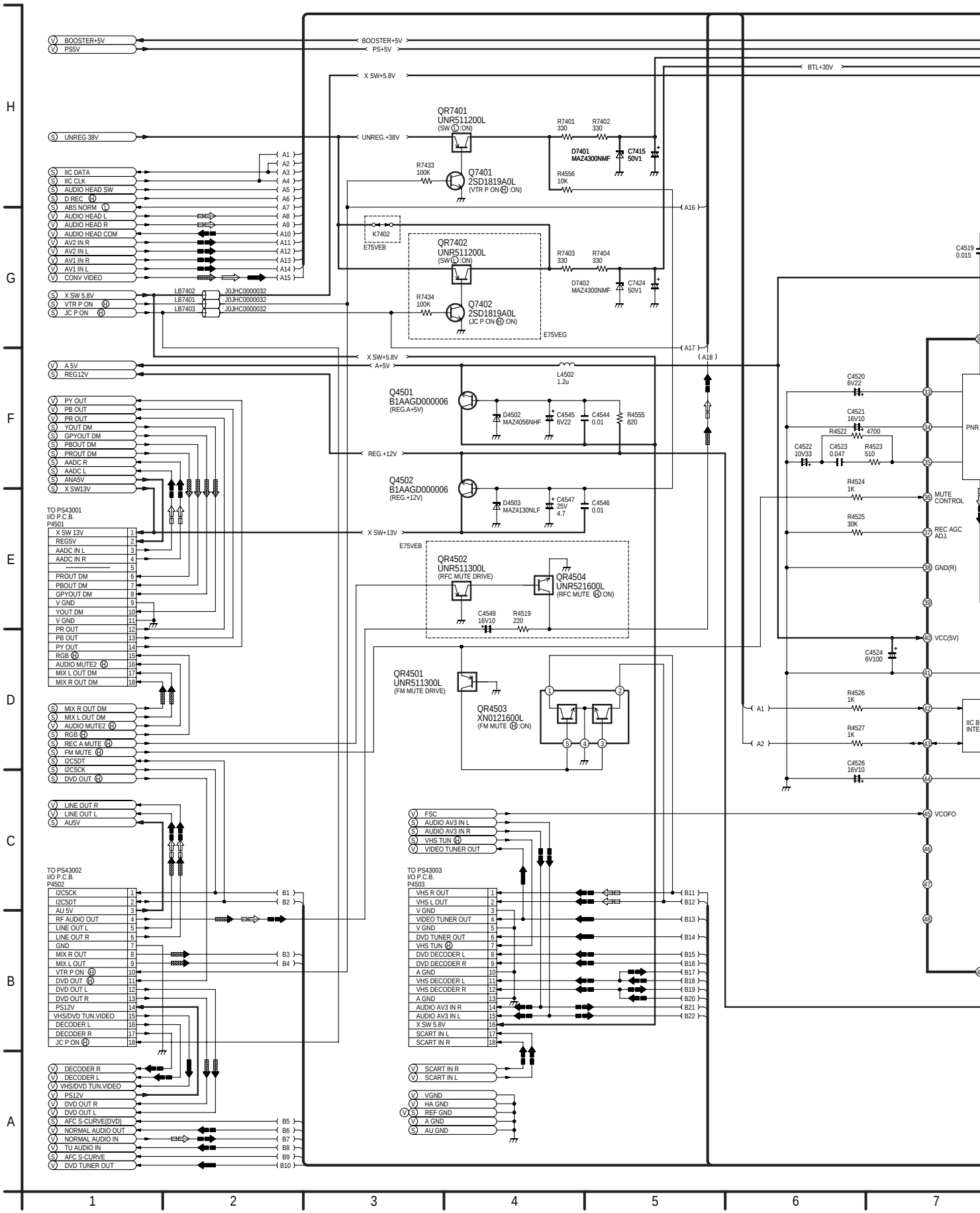

S:Syscon/Servo/Timer Section(Page: C )
A:Hi-Fi Audio Section(Page: D )
V:Video Section(Page: E )

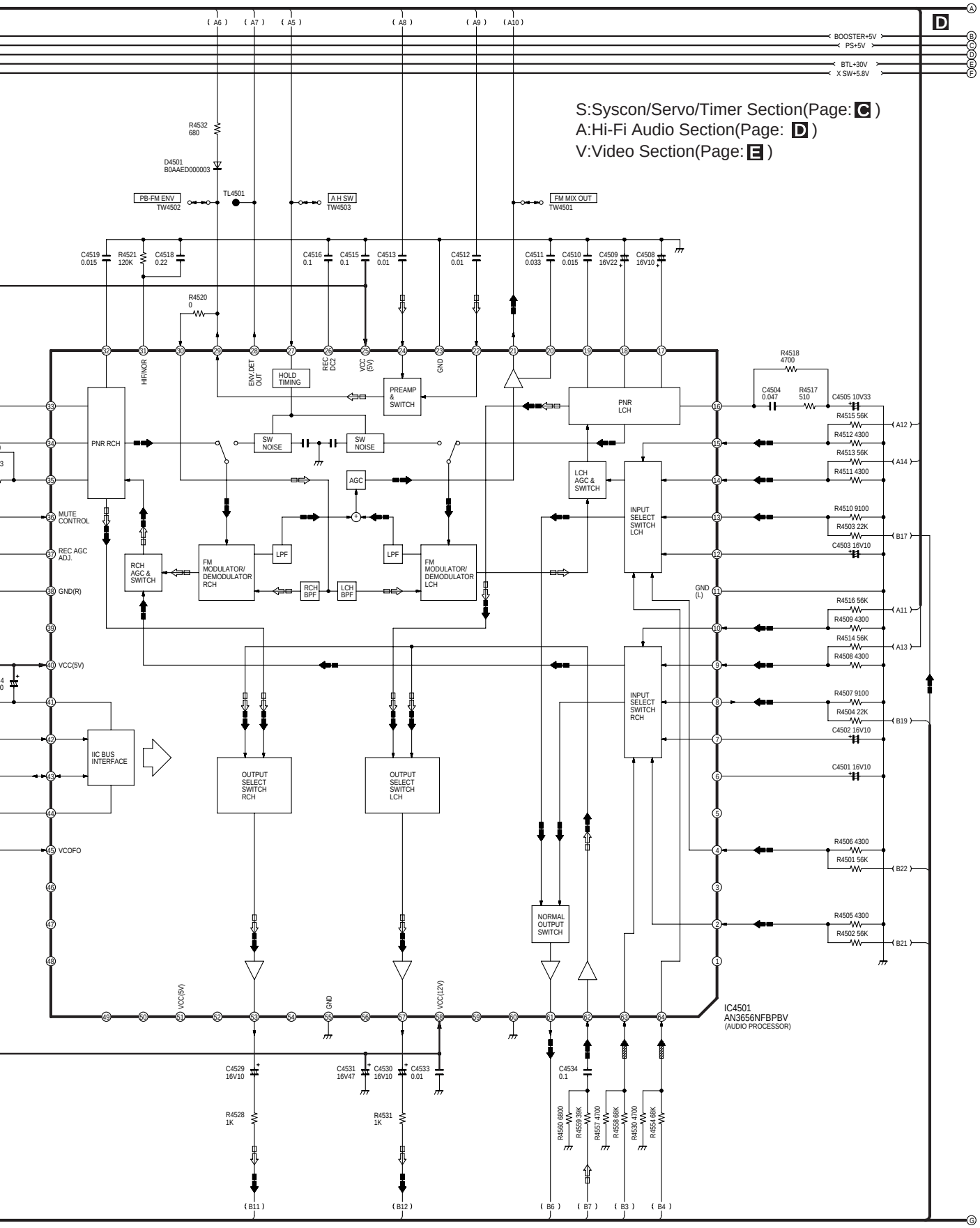
NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
Syscon/Servo/Timer Section (Main P.C.B.(1/3))
Schematic Diagram(S)

| 28 | 29 | 30 | 31 | 32 | 33 |
|---|---|---|---|---|---|

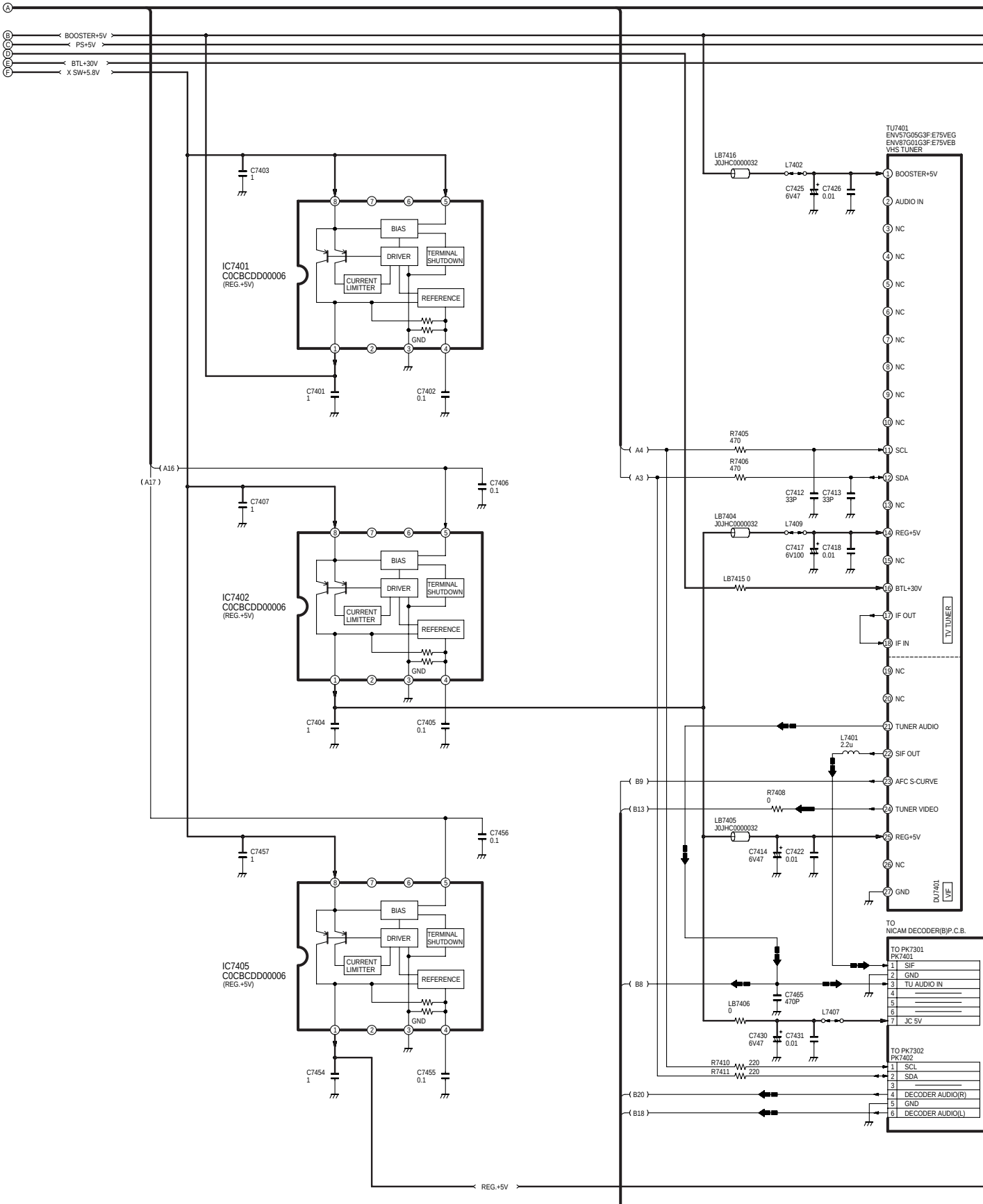
# 21.5. Hi-Fi Audio Section (Main P.C.B.(2/3)) Schematic Diagram (A)





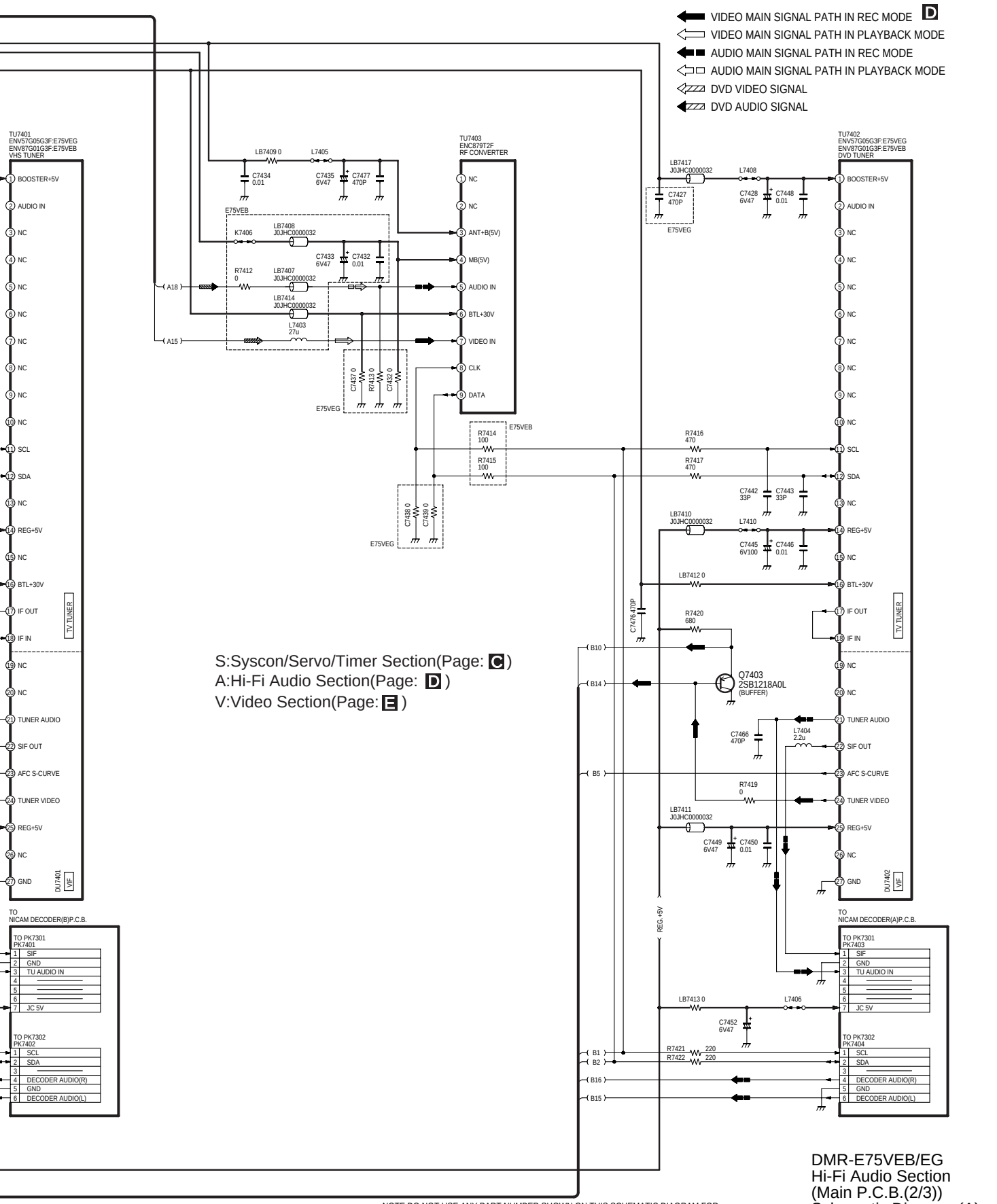

DMR-E75VEB/EG Hi-Fi Audio Section (Main P.C.B.(2/3)) Schematic Diagram (A)

7 | 8 | 9 | 10 | 11 | 12 | 13




DMR-E75VEB/EG Hi-Fi Audio Section (Main P.C.B.(2/3)) Schematic Diagram (A)

14 15 16 17 18 19

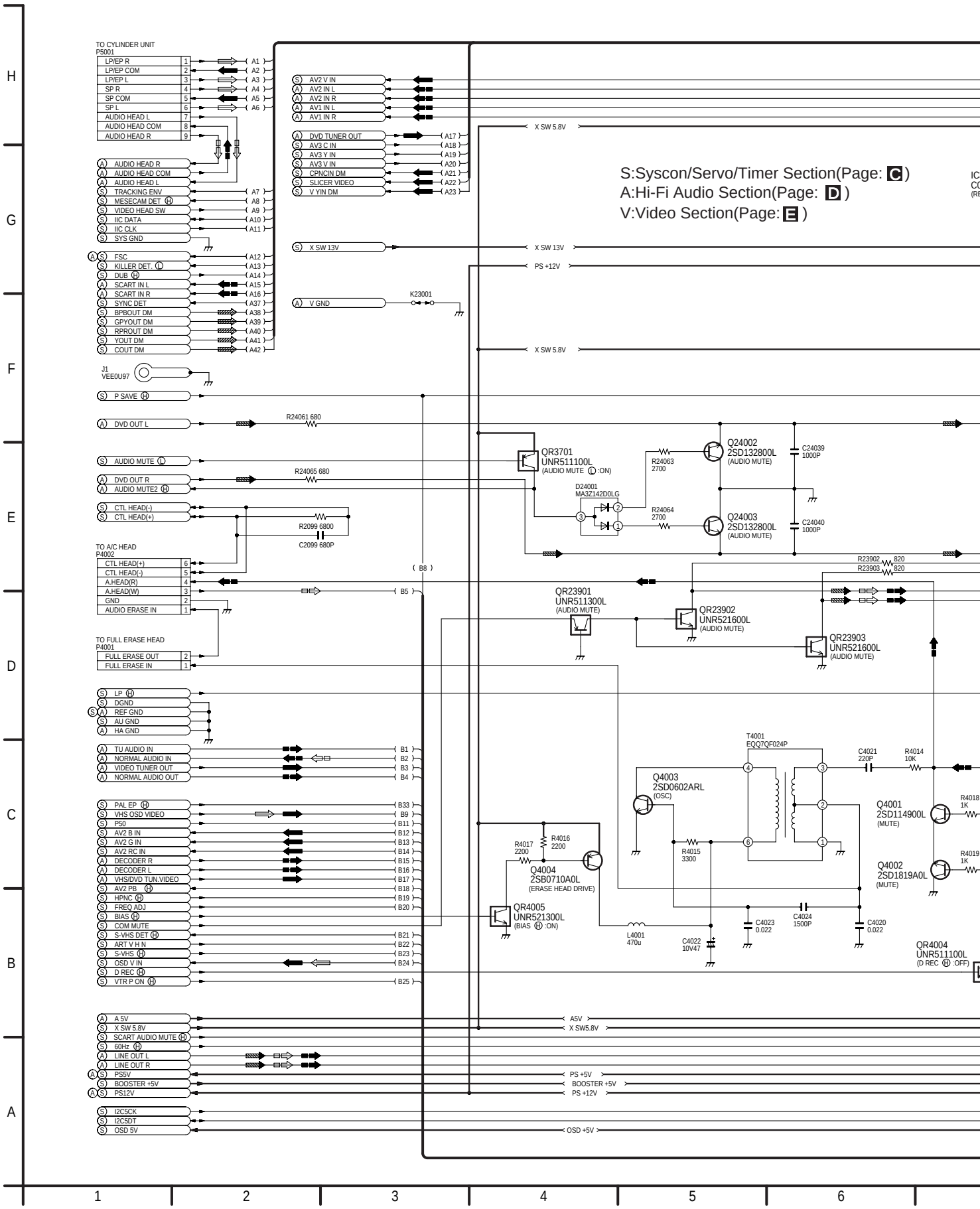


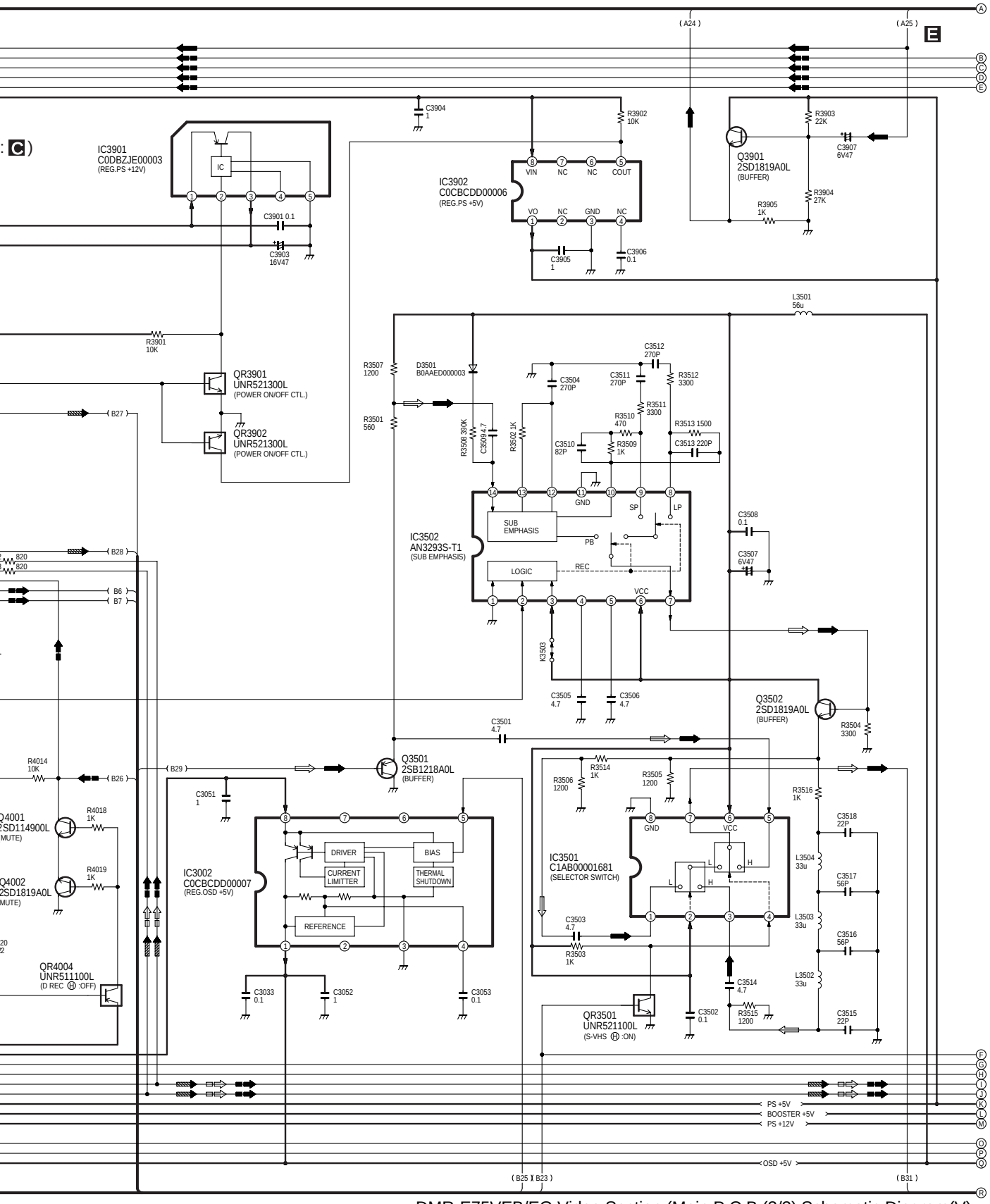

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
Hi-Fi Audio Section
(Main P.C.B.(2/3))
Schematic Diagram (A)

20 21 22 23 24 25

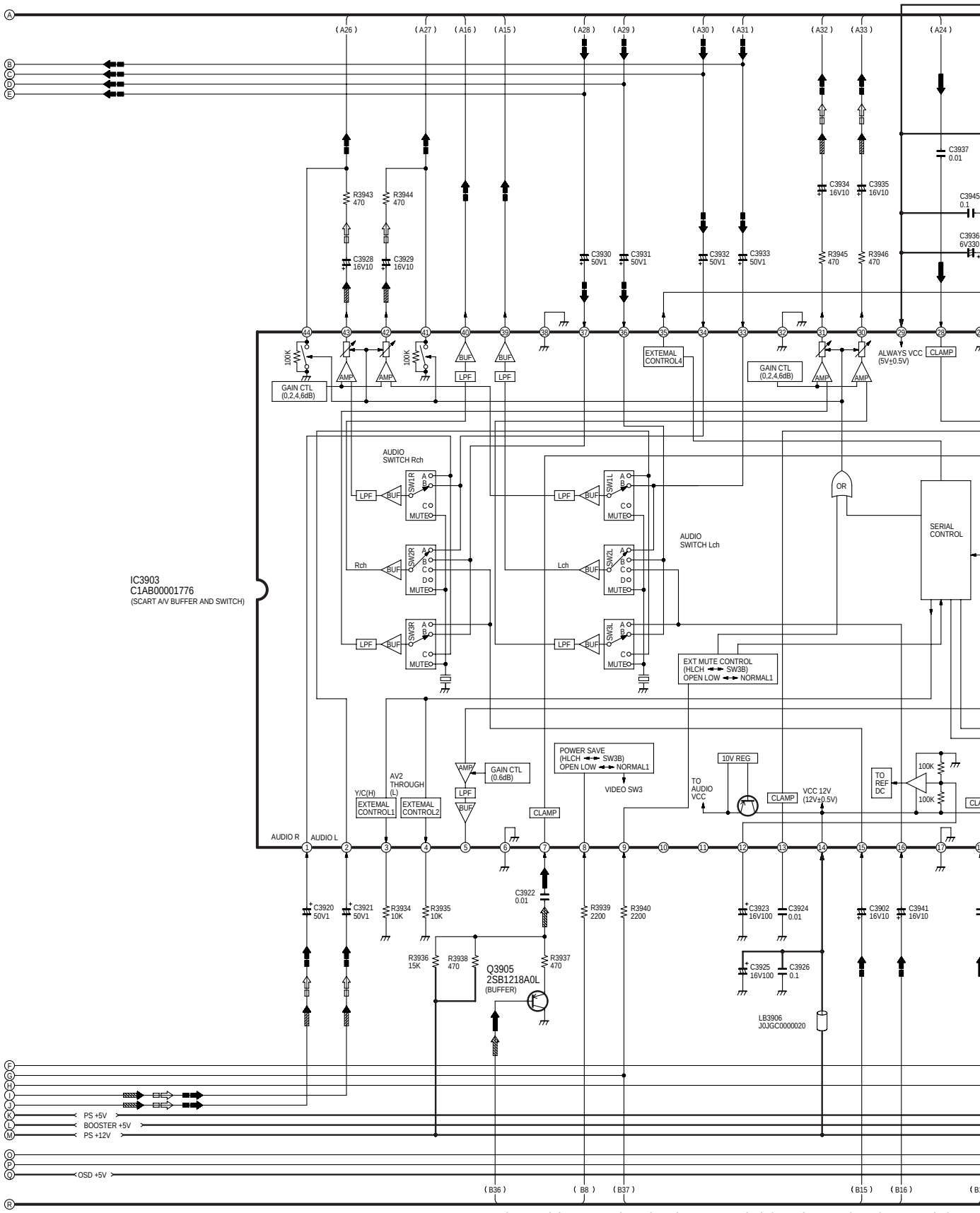
# 21.6. Video Section (Main P.C.B.(3/3)) Schematic Diagram (V)



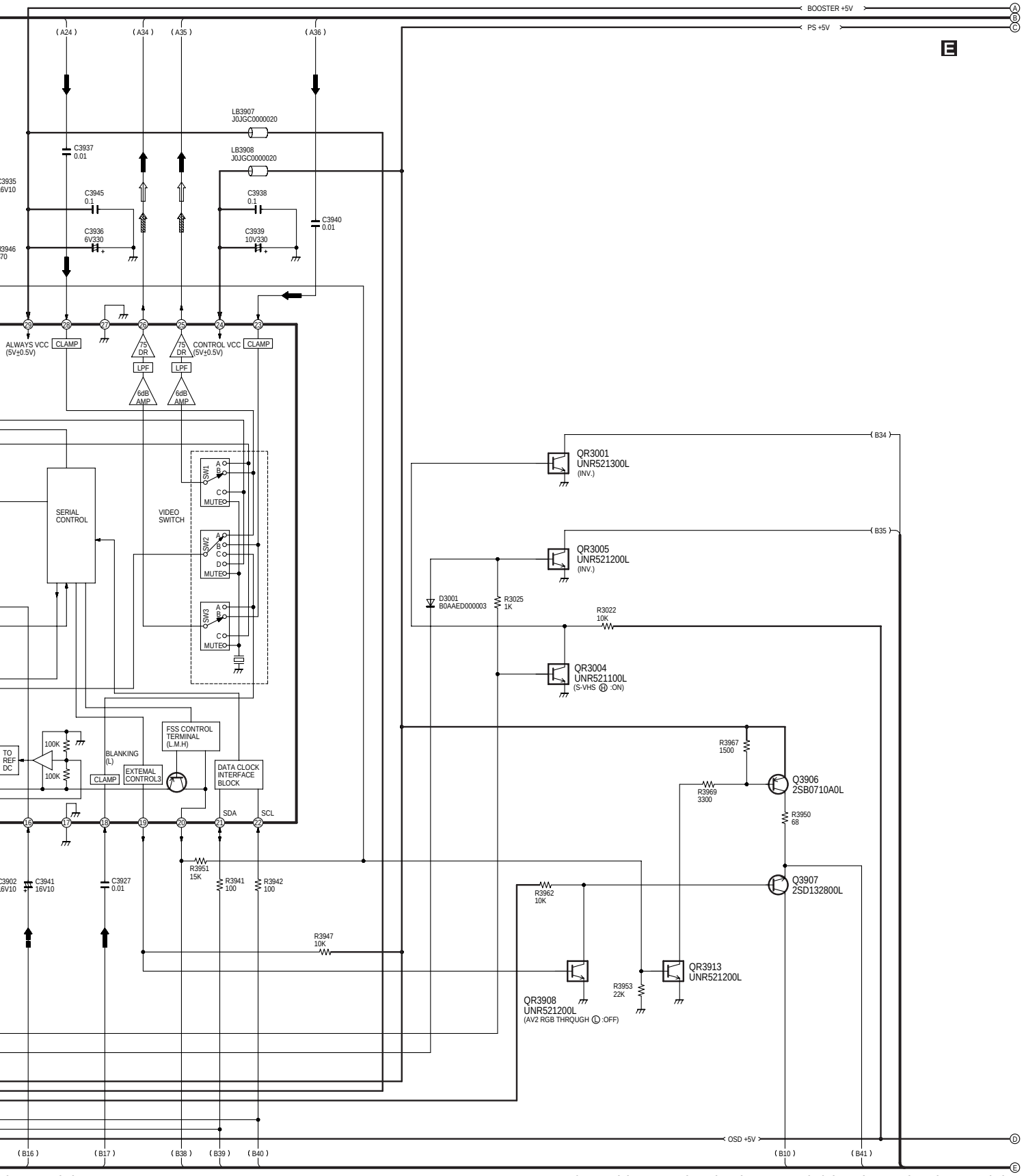



DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)

7 8 9 10 11 12



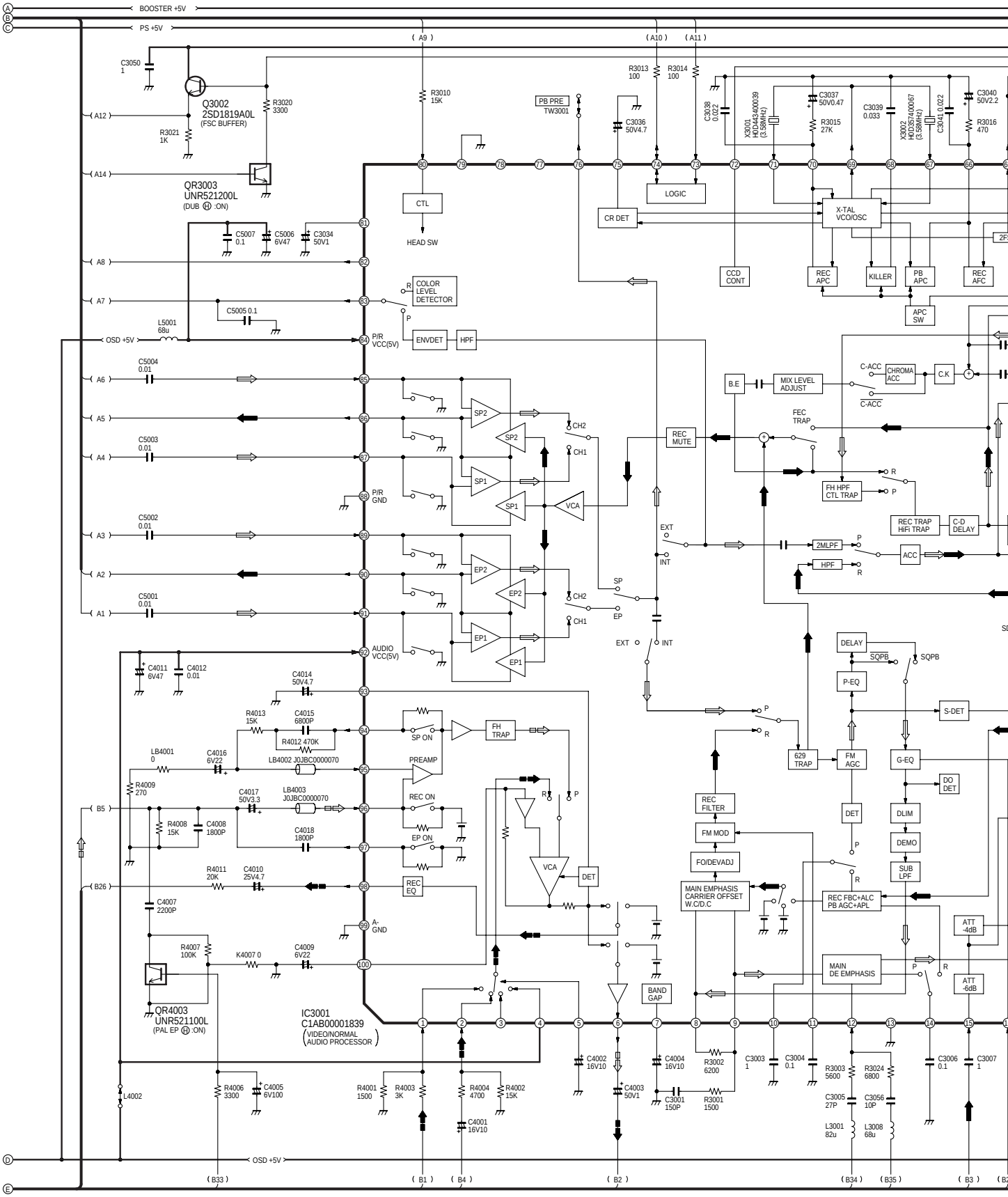

DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)



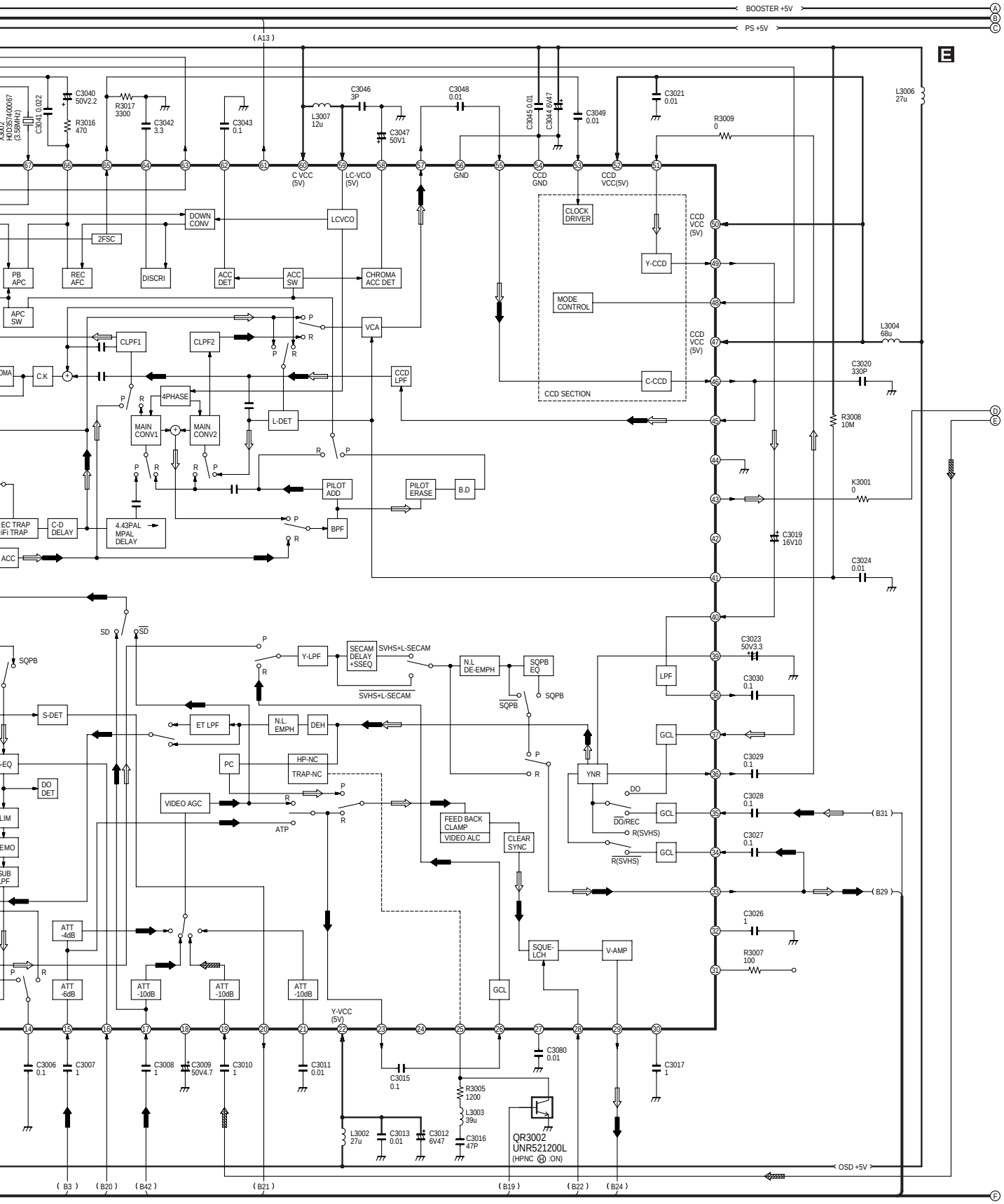

Diagram(V)

DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)

18 | 19 | 20 | 21 | 22 | 23 | 24



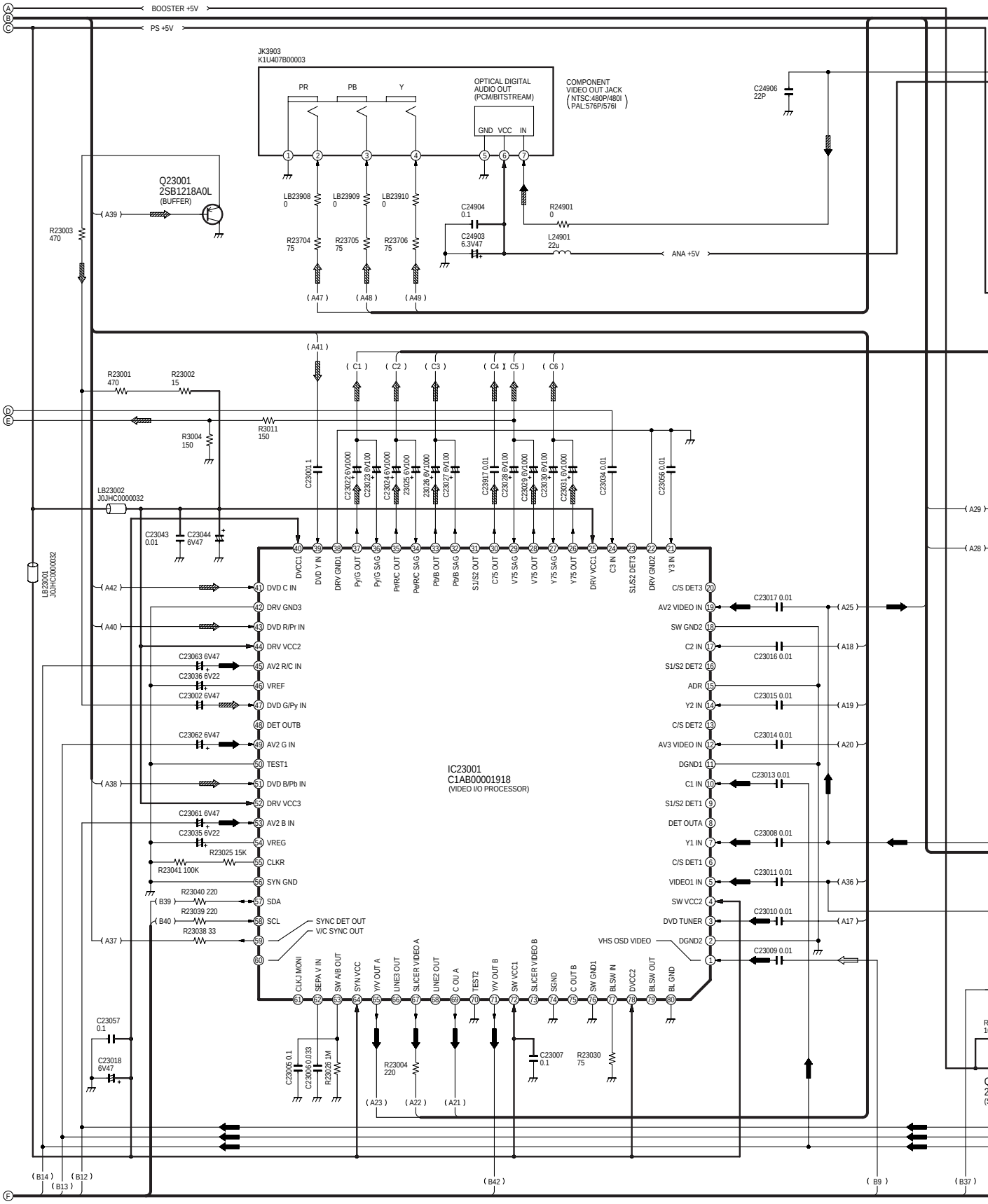

DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)




(V)

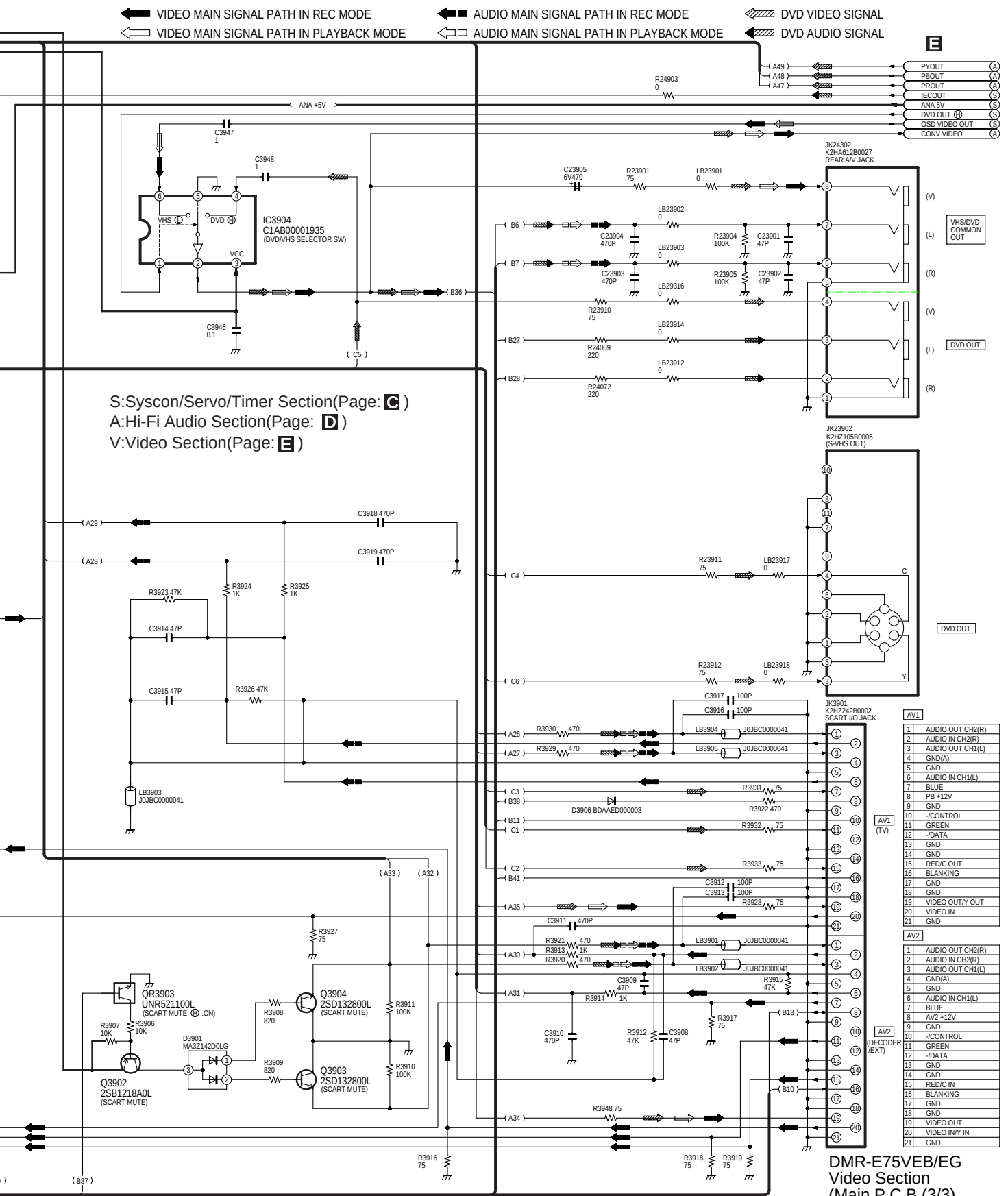
DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagram(V)

30 | 31 | 32 | 33 | 34 | 35




DMR-E75VEB/EG Video Section (Main P.C.B.(3/3) Schematic Diagra

36 37 38 39 40 41



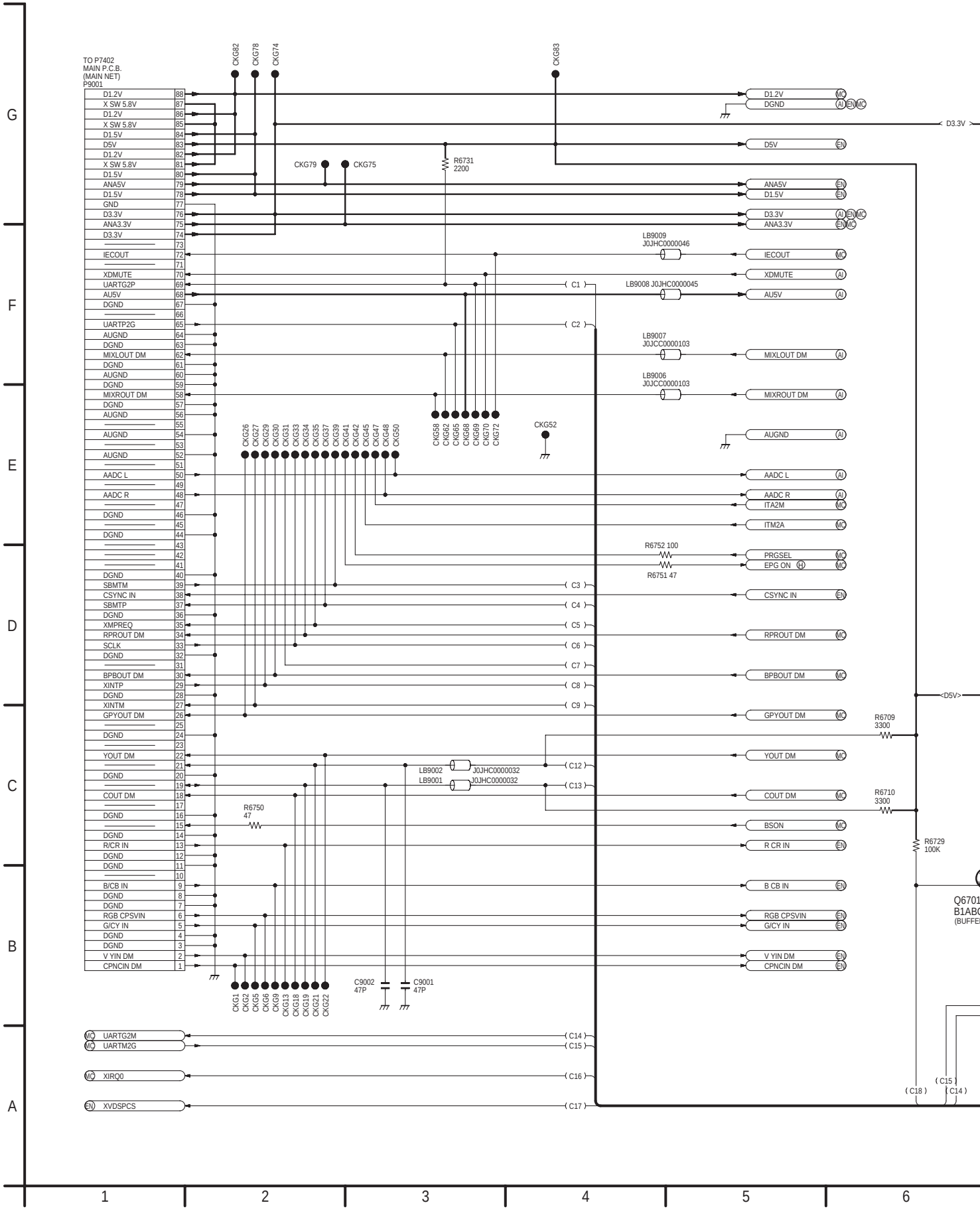

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERRING.THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Video Section
(Main P.C.B.(3/3)
Schematic Diagram(V)

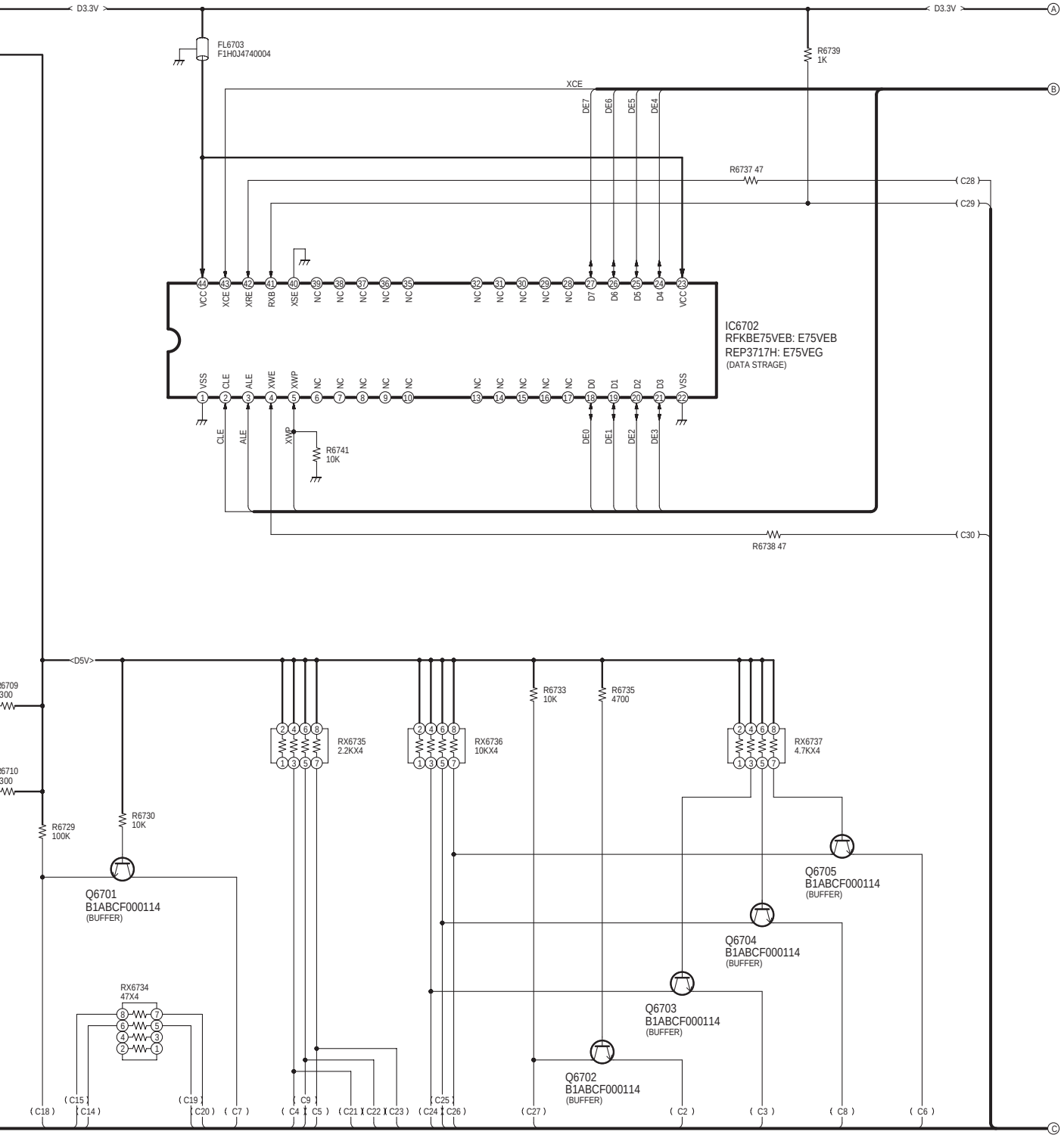
hematic Diagram(V)

42 43 44 45 46 47

# 21.7. Glue Net Section (Digital P.C.B.(1/4)) Schematic Diagram (GN)

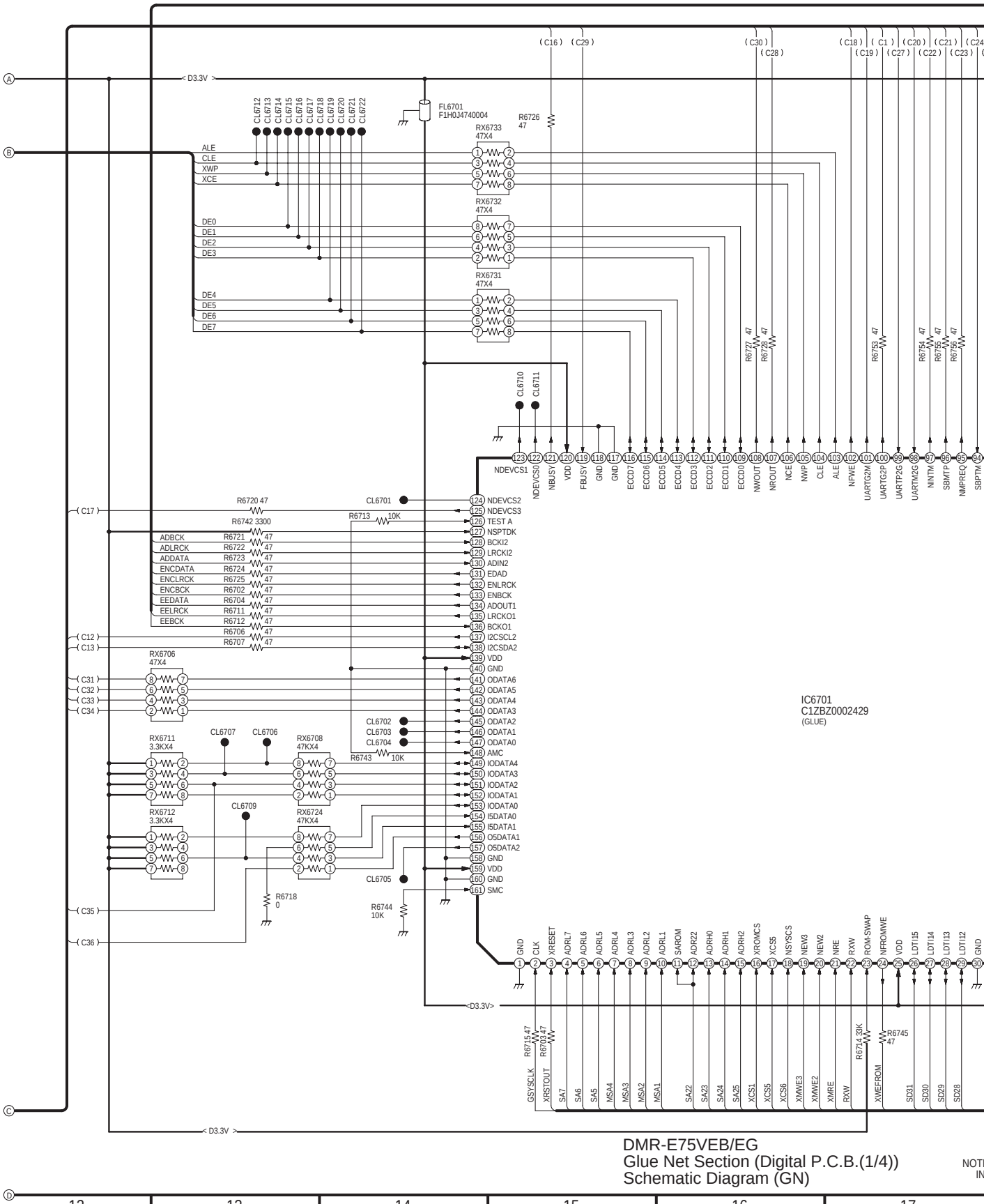


GN:Glue Net Section(Page: F )
EN:AV Encoder/RTSC Section(Page: G )
MC:AV Decoder/Main CPU Section(Page: H )
AI:Audio I/O Section(Page: I )

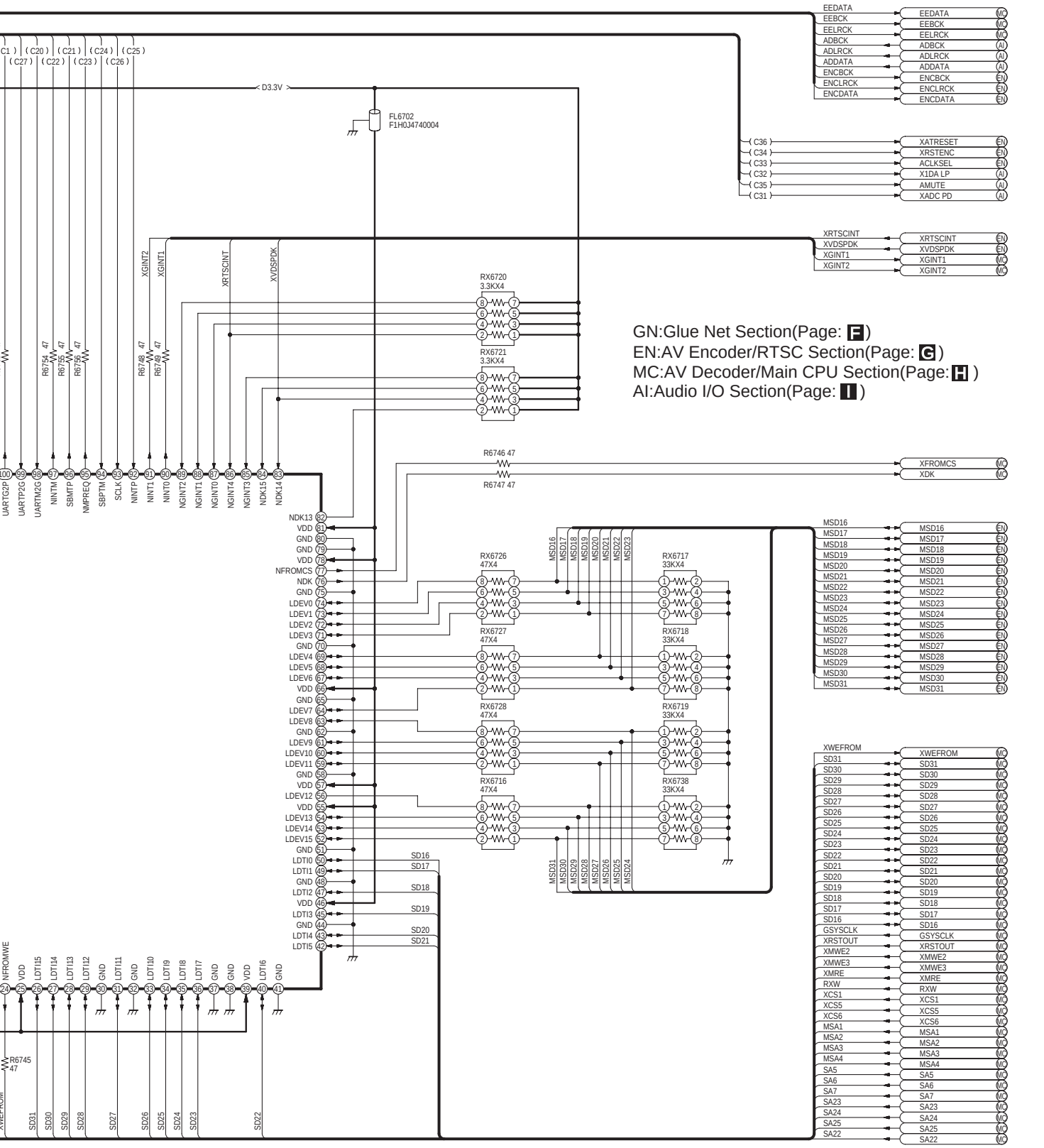



DMR-E75VEB/EG
Glue Net Section (Digital P.C.B.(1/4))
Schematic Diagram (GN)

6 | 7 | 8 | 9 | 10 | 11



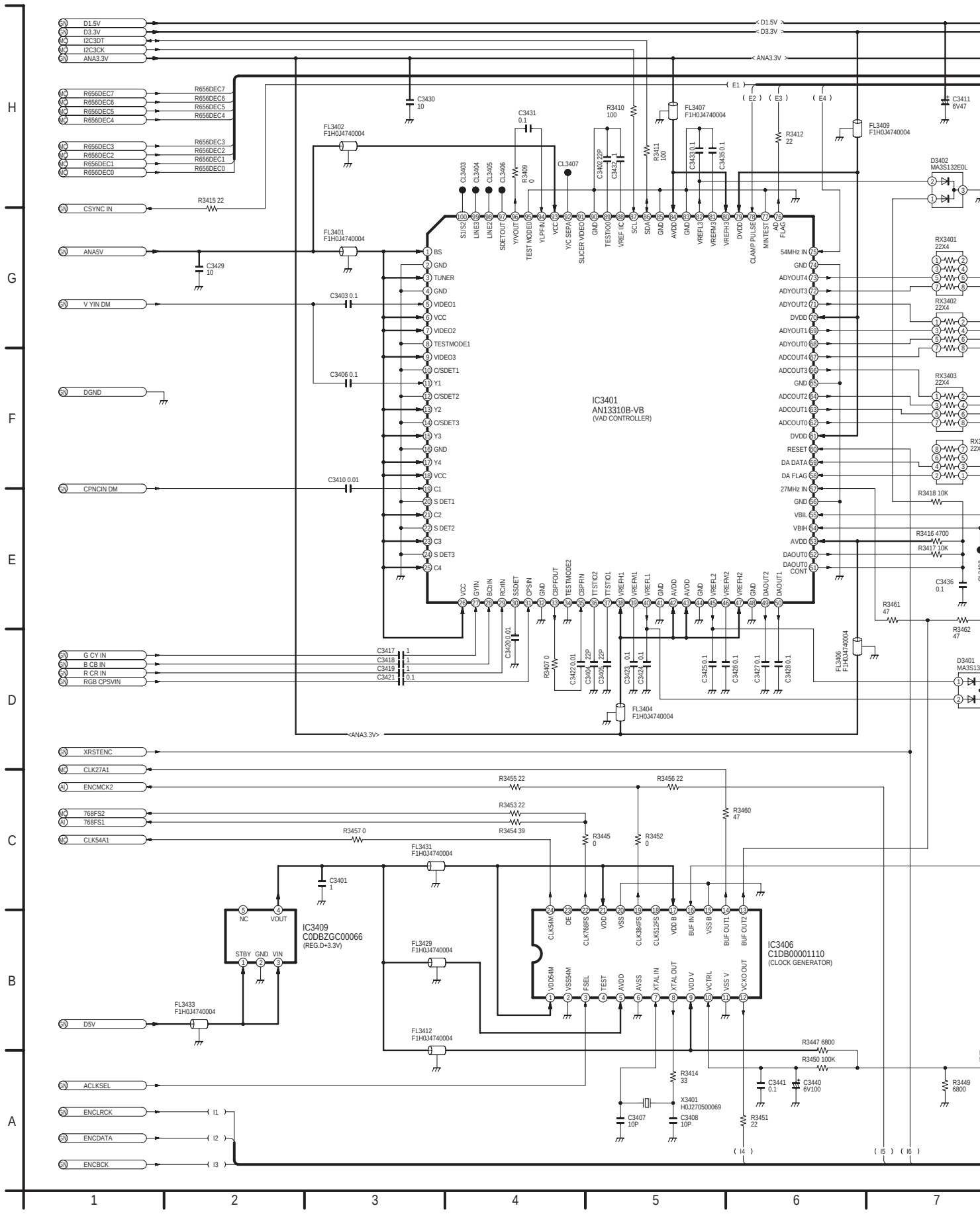

DMR-E75VEB/EG
Glue Net Section (Digital P.C.B.(1/4))
Schematic Diagram (GN)

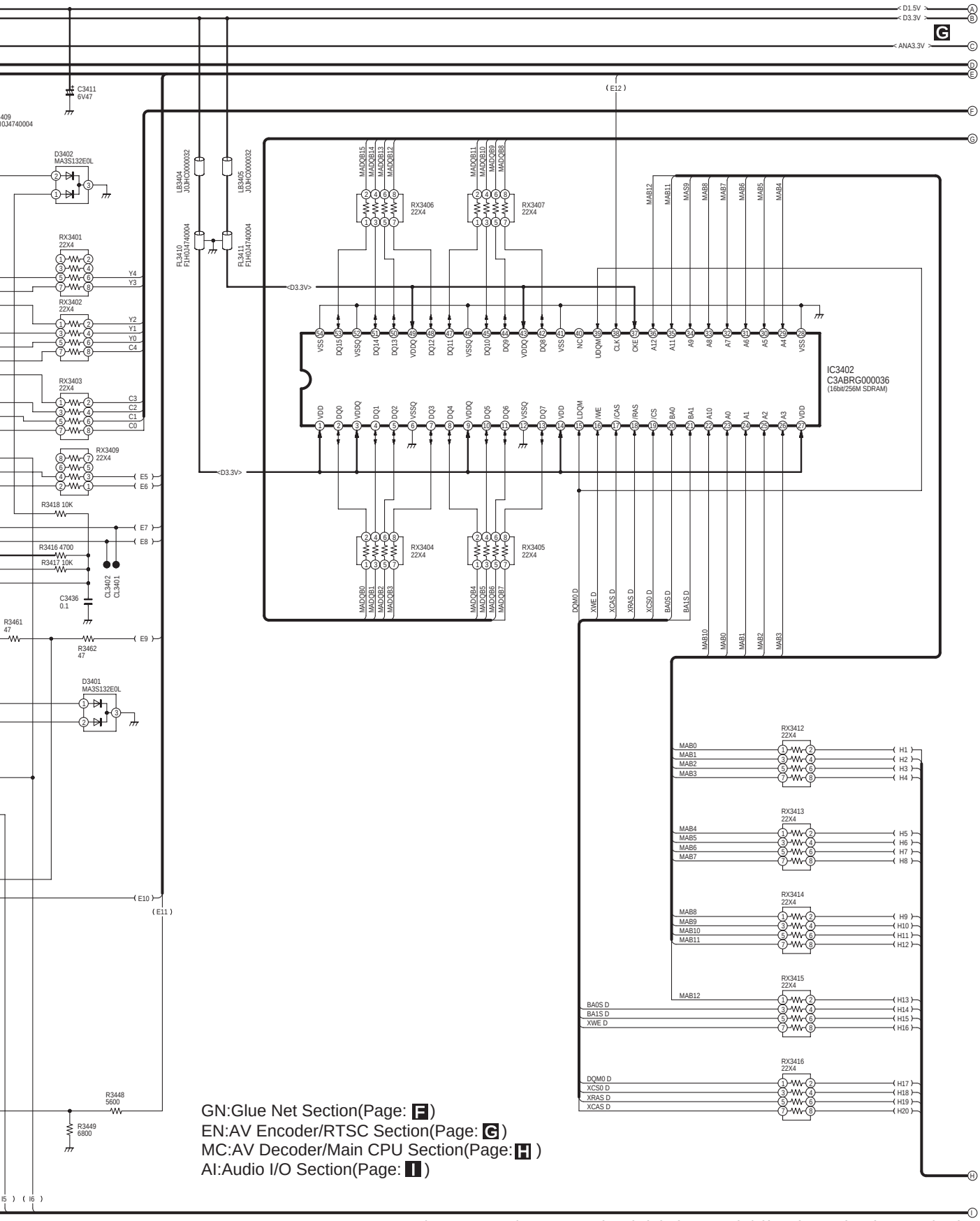



NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

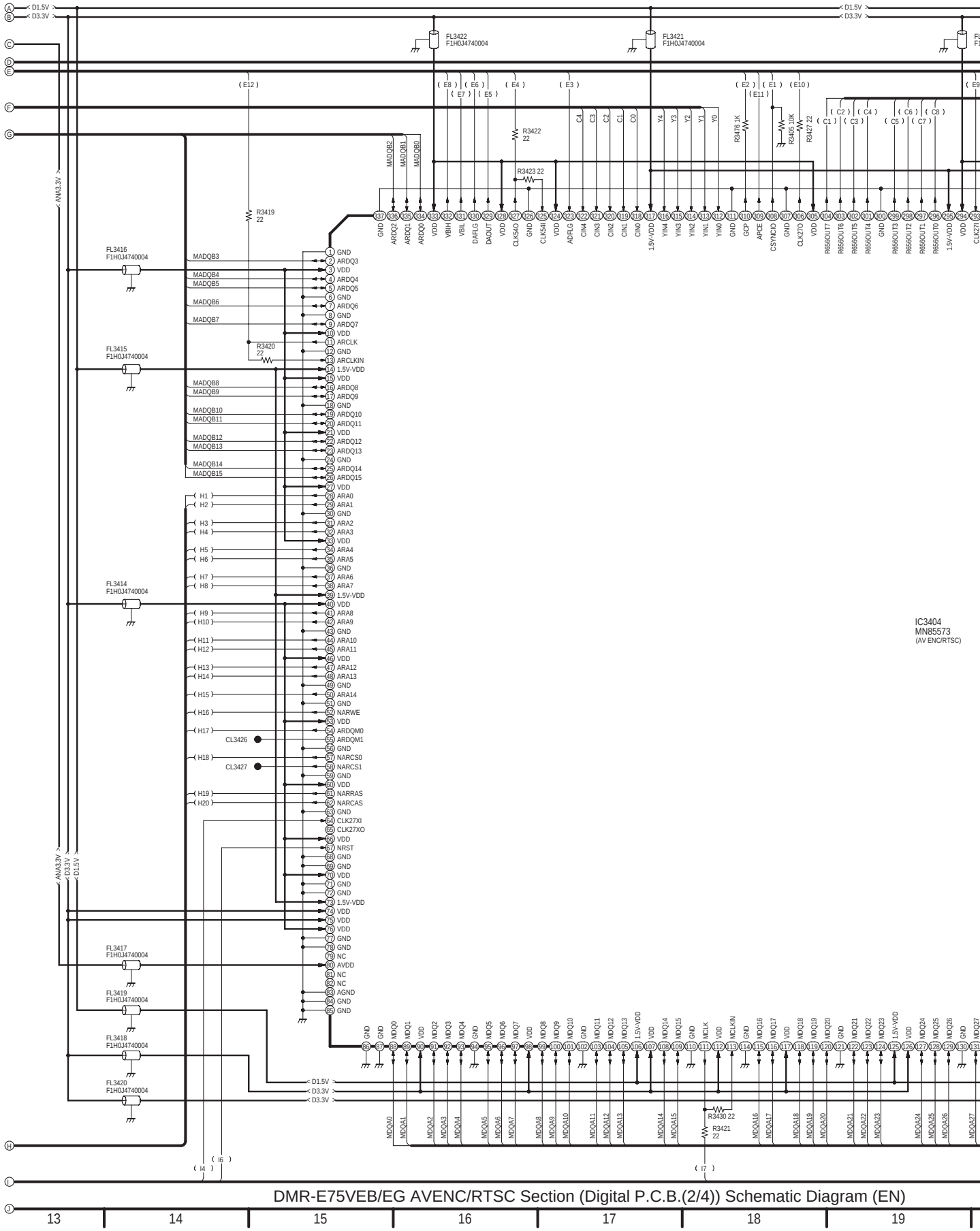
DMR-E75VEB/EG
Glue Net Section (Digital P.C.B.(1/4))
Schematic Diagram (GN)

# 21.8. AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)



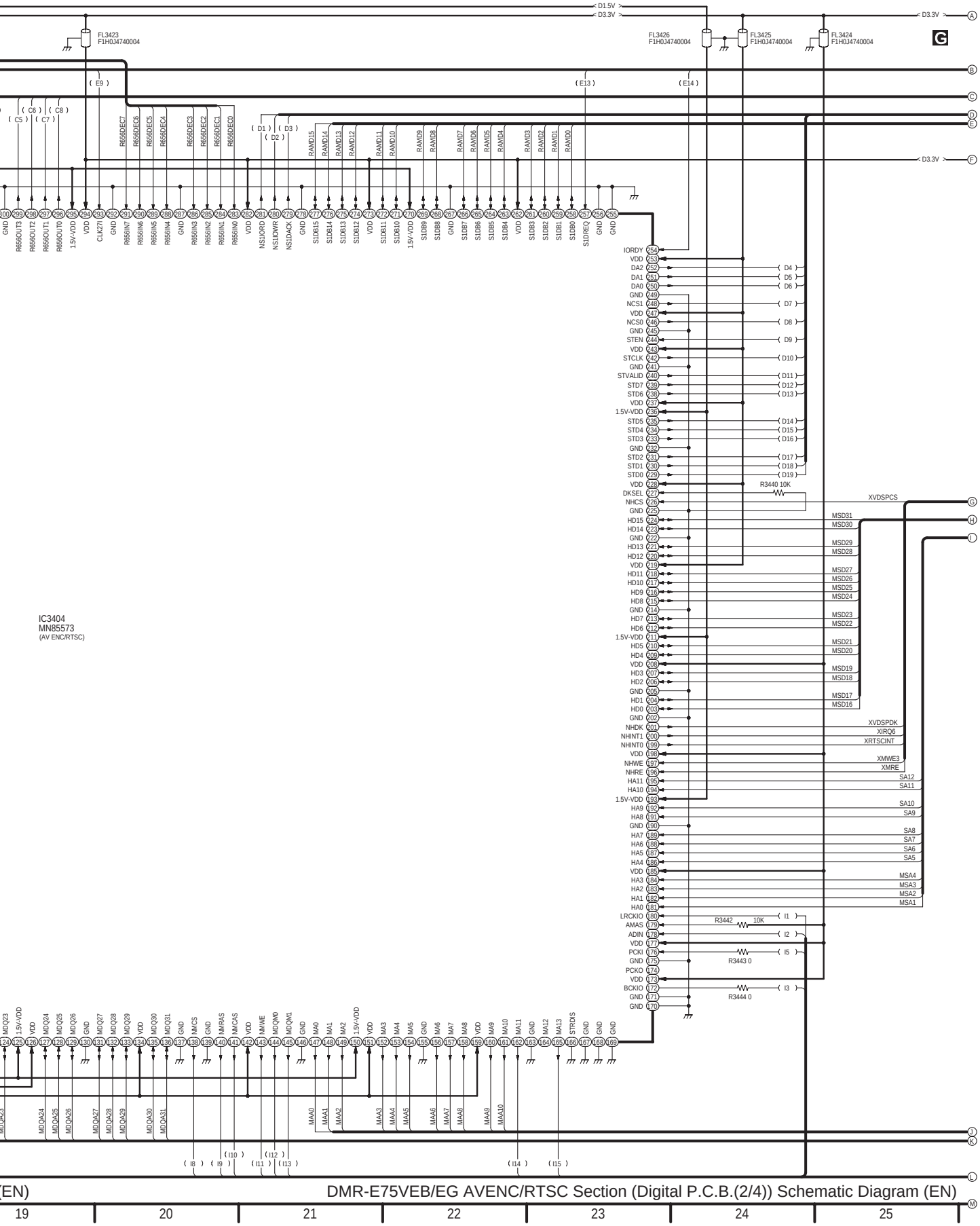


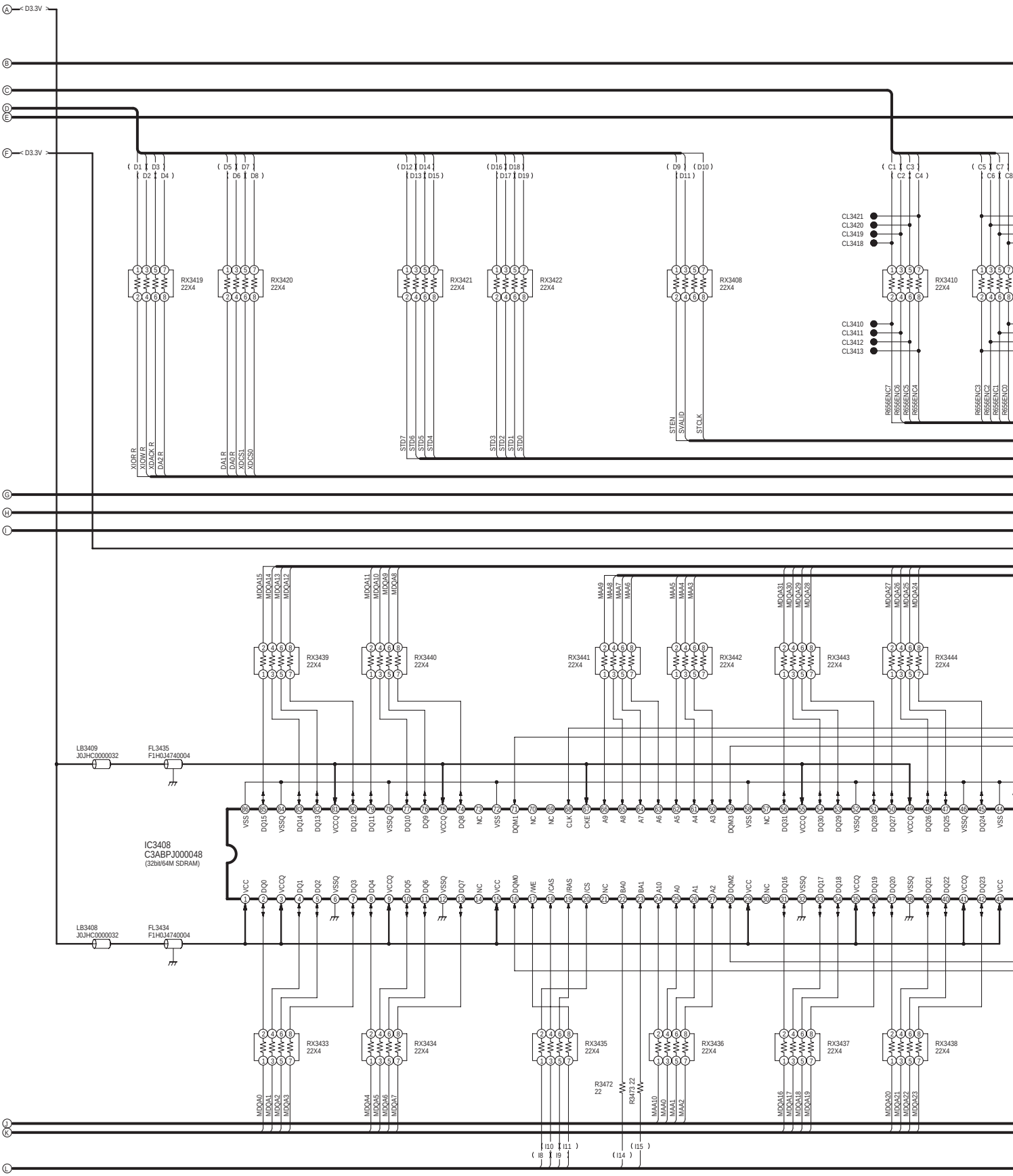

DMR-E75VEB/EG AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)




DMR-E75VEB/EG AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)

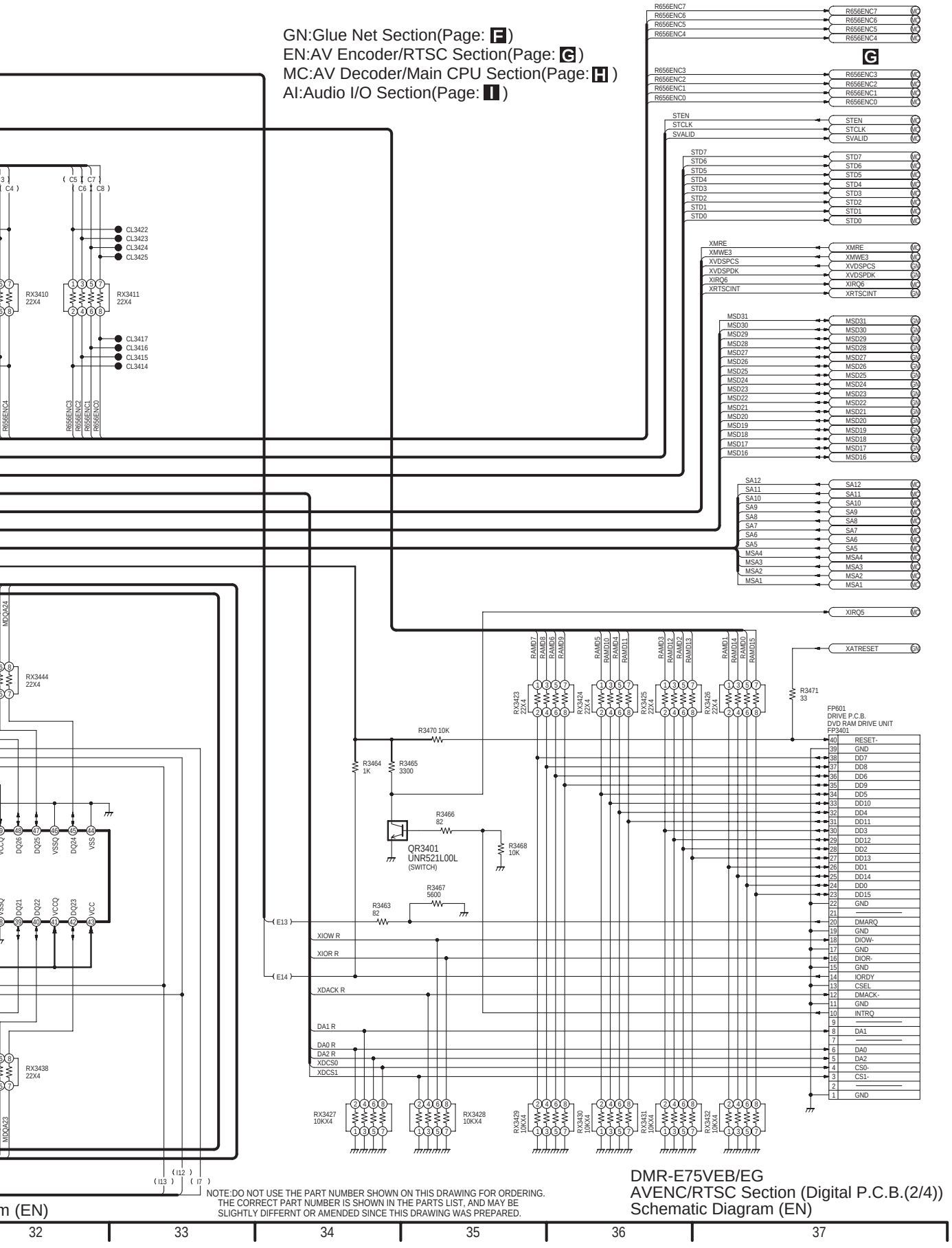
13 14 15 16 17 18 19


D1.5V
D3.3V
FL3423
F1H0J4740004
FL3426
F1H0J4740004
FL3425
F1H0J4740004
FL3424
F1H0J4740004
IC3404
MN85573
(AV ENC/RTSC)
R3440 10K
R3442 10K
R3443 0
R3444 0
XVDSPCS
XVDSPDK
XIRQ6
XRTSCINT
XMWE3
XMRE




DMR-E75VEB/EG AVENC/RTSC Section (Digital P.C.B.(2/4)) Schematic Diagram (EN)

GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)



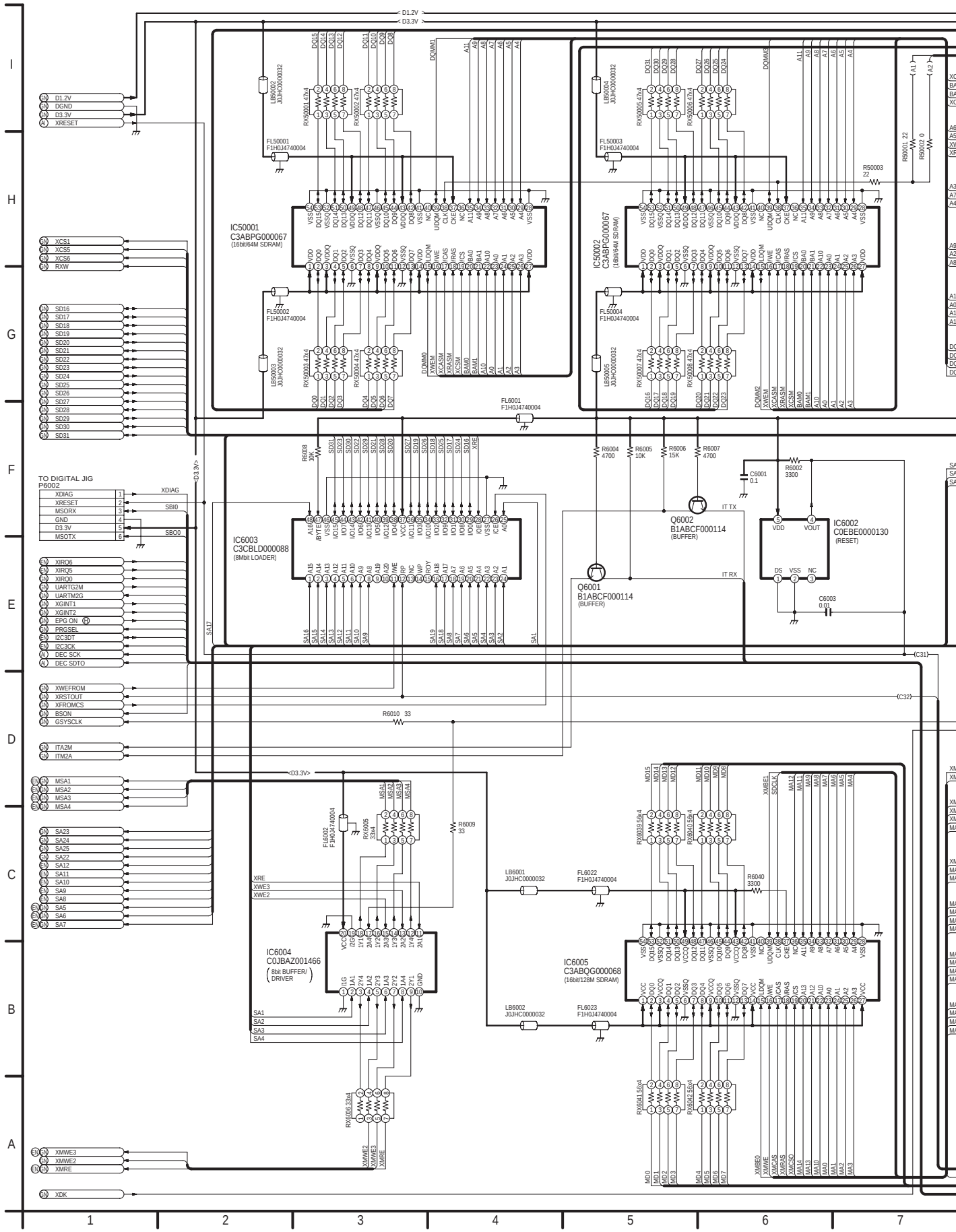

NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST, AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
AVENC/RTSC Section (Digital P.C.B.(2/4))
Schematic Diagram (EN)

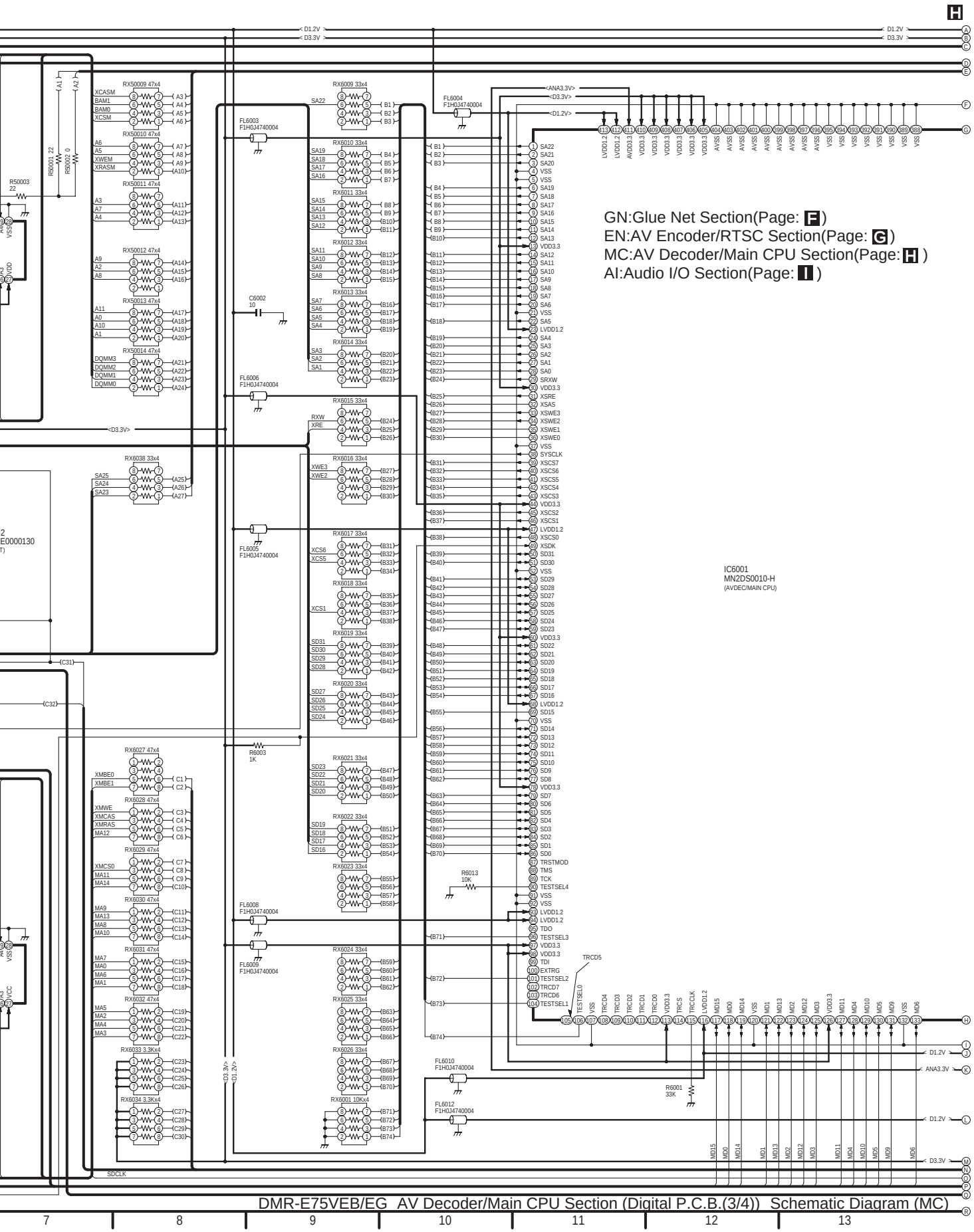
m (EN)

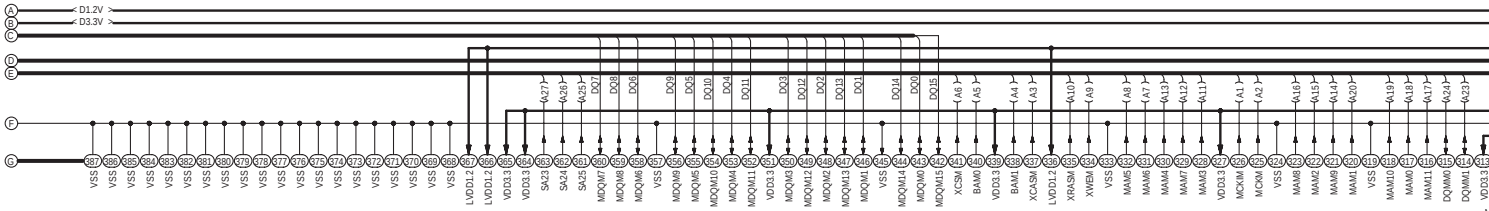
32 33 34 35 36 37

# 21.9. AV Decoder/Main CPU Section (Digital P.C.B.(3/4)) Schematic Diagram (MC



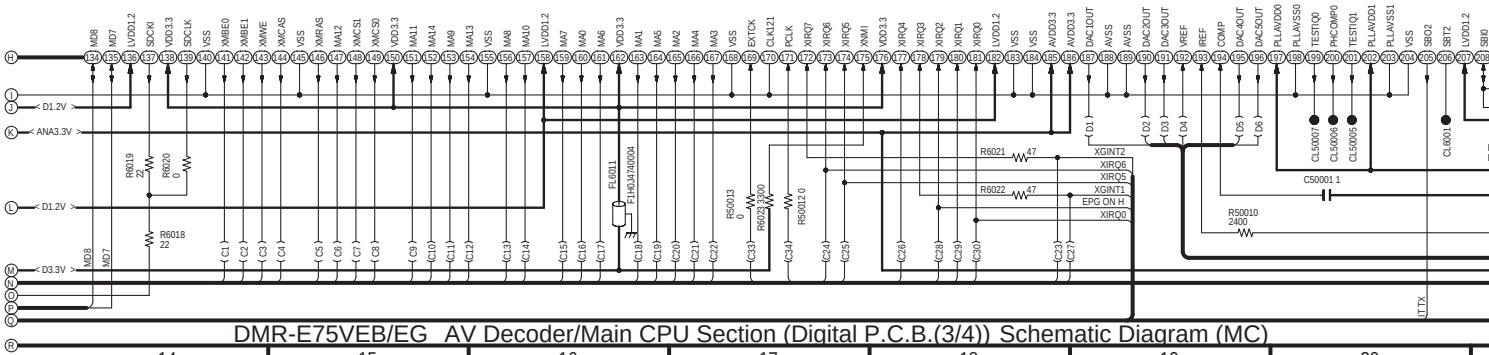
# ram (MC)


GN:Glue Net Section(Page: F)
EN:AV Encoder/RTSC Section(Page: G)
MC:AV Decoder/Main CPU Section(Page: H)
AI:Audio I/O Section(Page: I)
IC6001
MN2DS0010-H
(AVDEC/MAIN CPU)

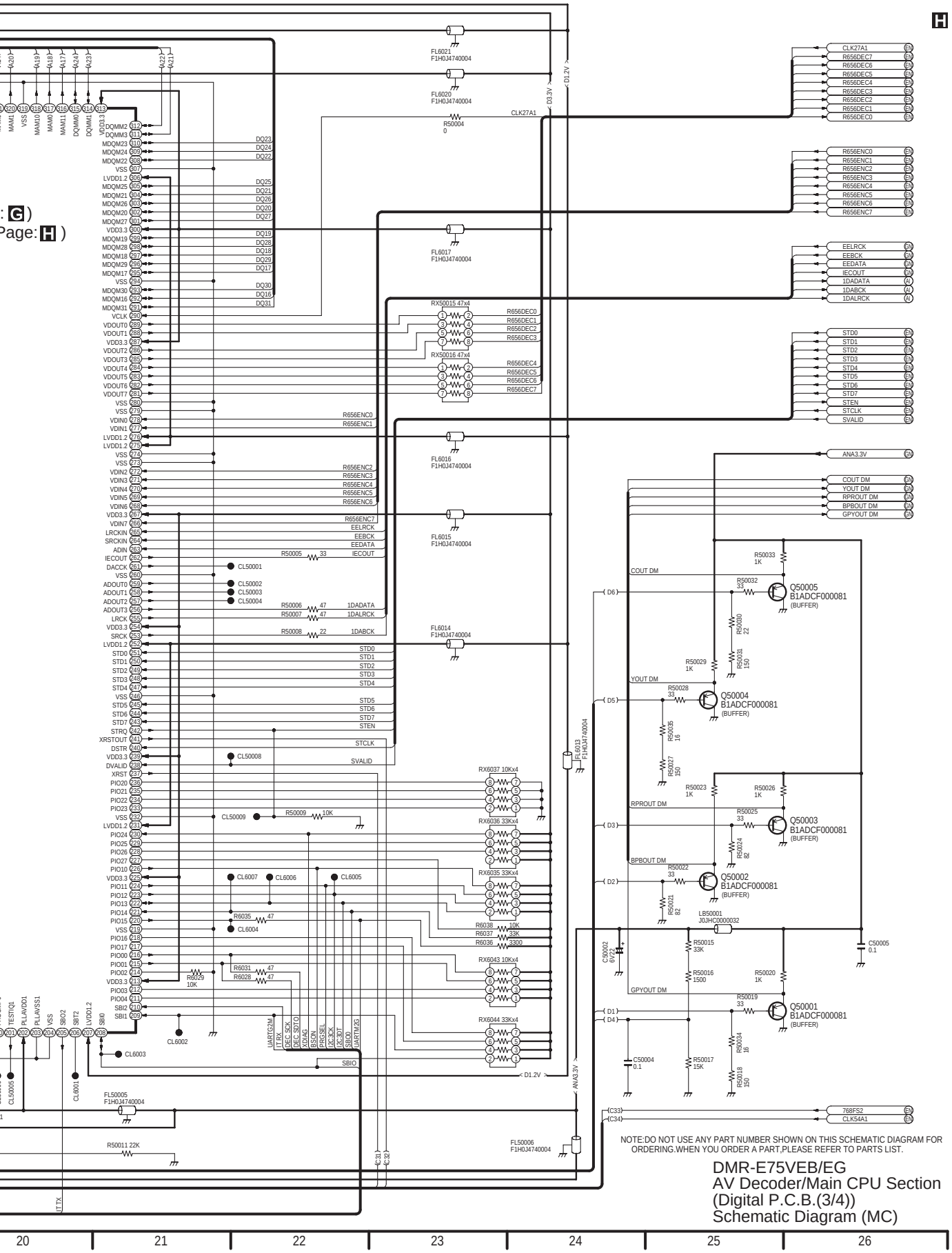


GN:Glue Net Section(Page: F )
EN:AV Encoder/RTSC Section(Page: G )
MC:AV Decoder/Main CPU Section(Page: H )
AI:Audio I/O Section(Page: I )

IC6001
MN2DS0010-H
(AVDEC/MAIN CPU)



DMR-E75VEB/EG AV Decoder/Main CPU Section (Digital P.C.B.(3/4)) Schematic Diagram (MC)

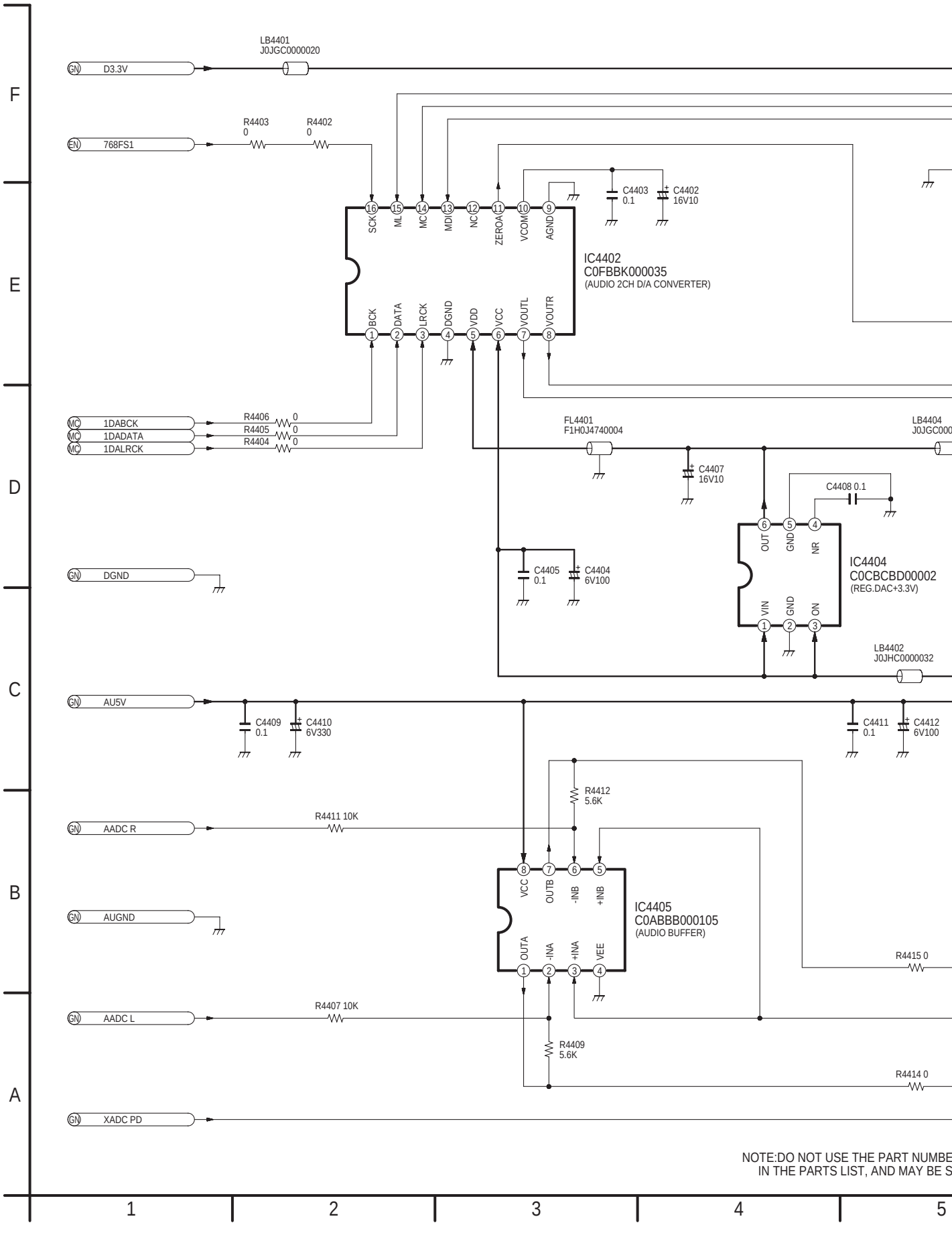


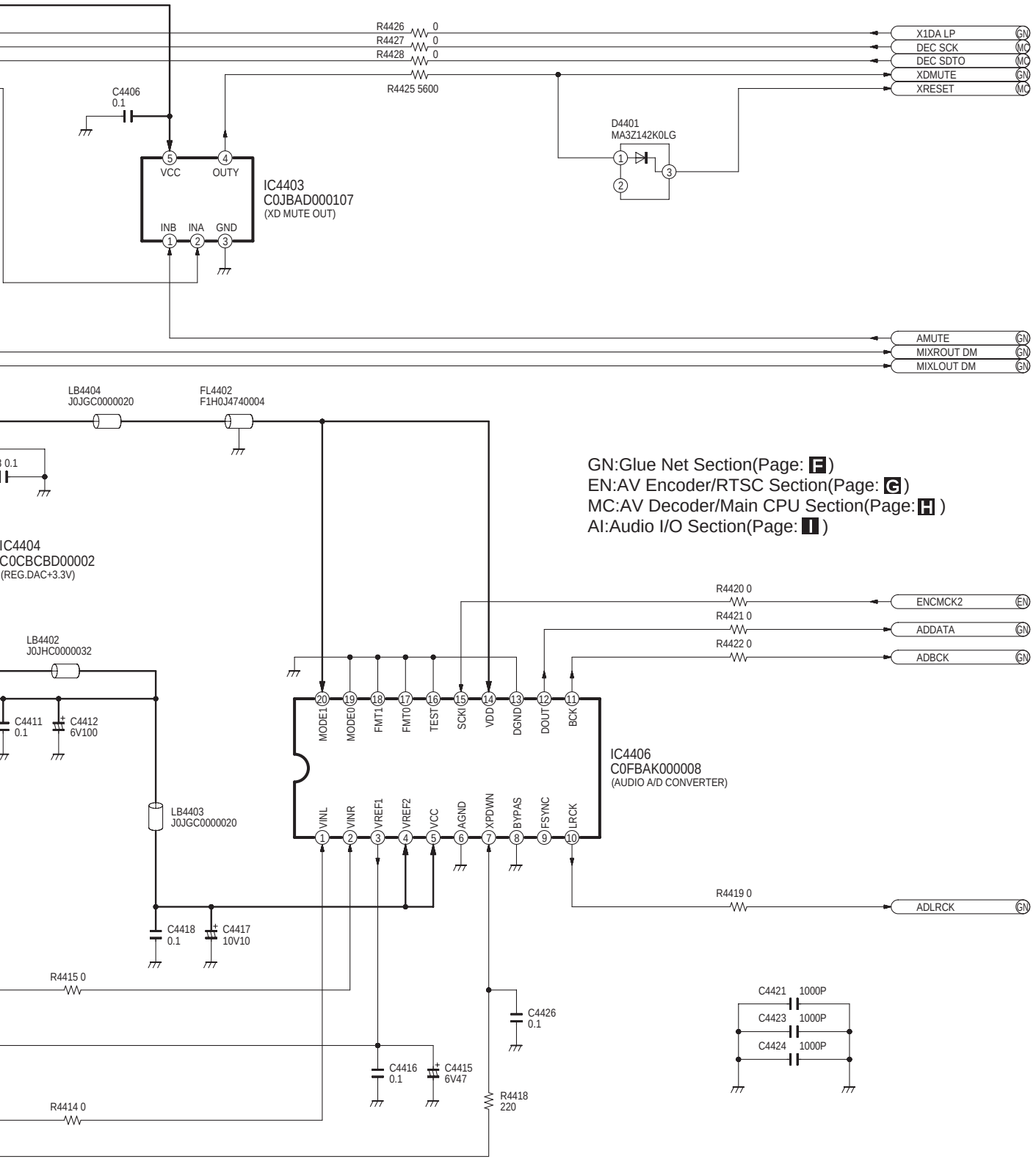

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
AV Decoder/Main CPU Section
(Digital P.C.B.(3/4))
Schematic Diagram (MC)

20 21 22 23 24 25 26

# 21.10. Audio I/O Section (Digital P.C.B.(4/4)) Schematic Diagram (AI)



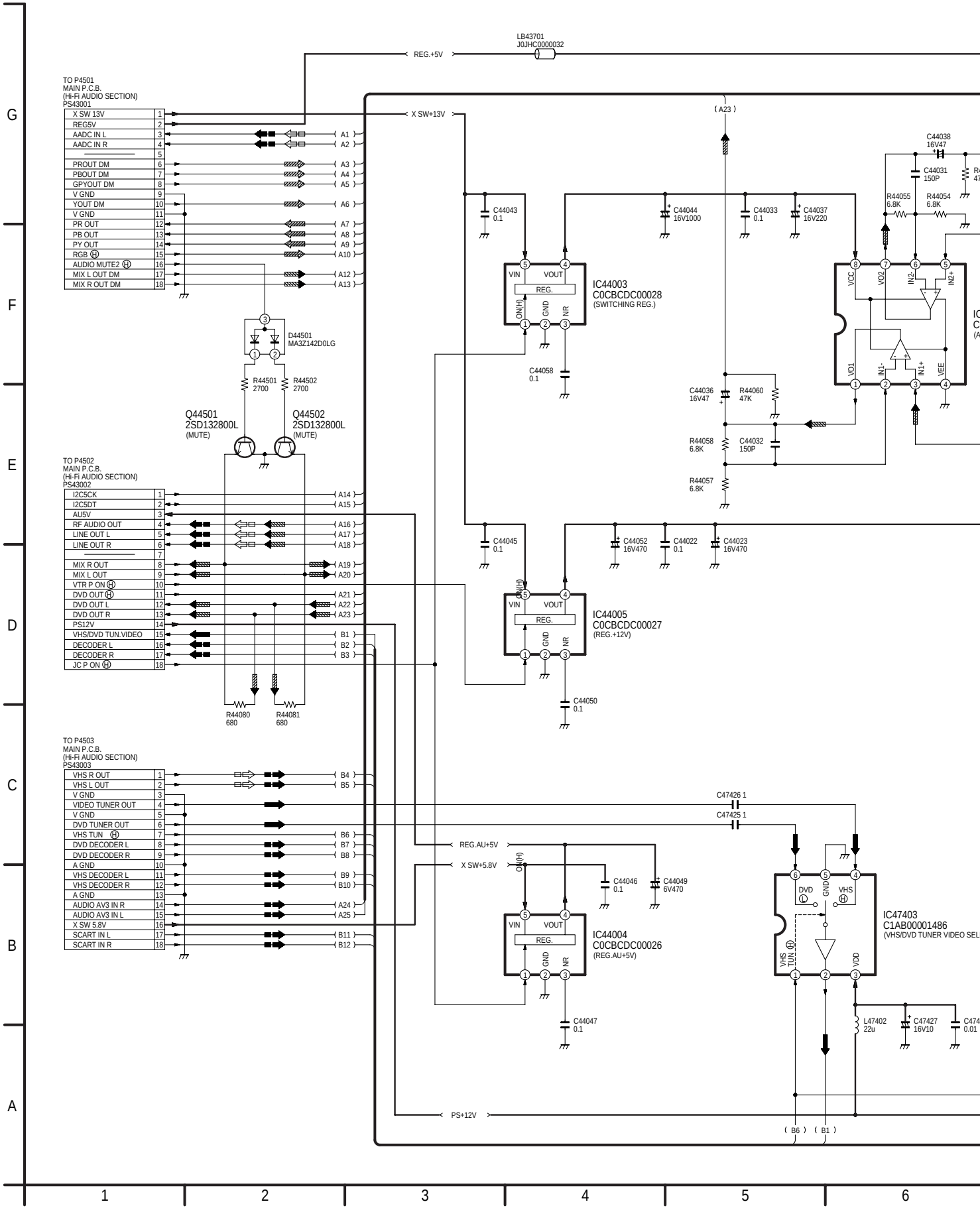


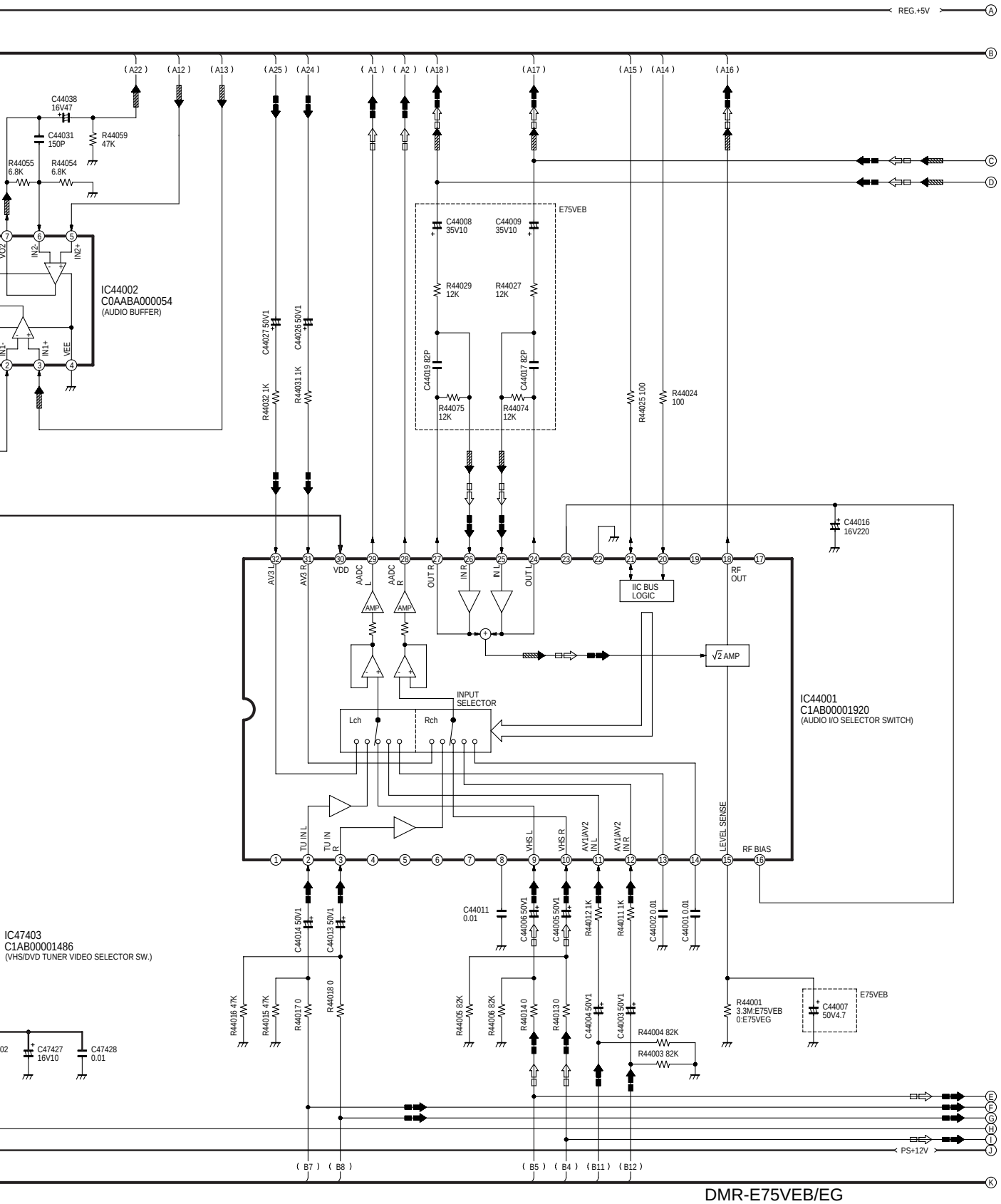

THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERING. THE CORRECT PART NUMBER IS SHOWN
ST, AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Audio I/O Section (Digital P.C.B.(4/4))
Schematic Diagram (AI)

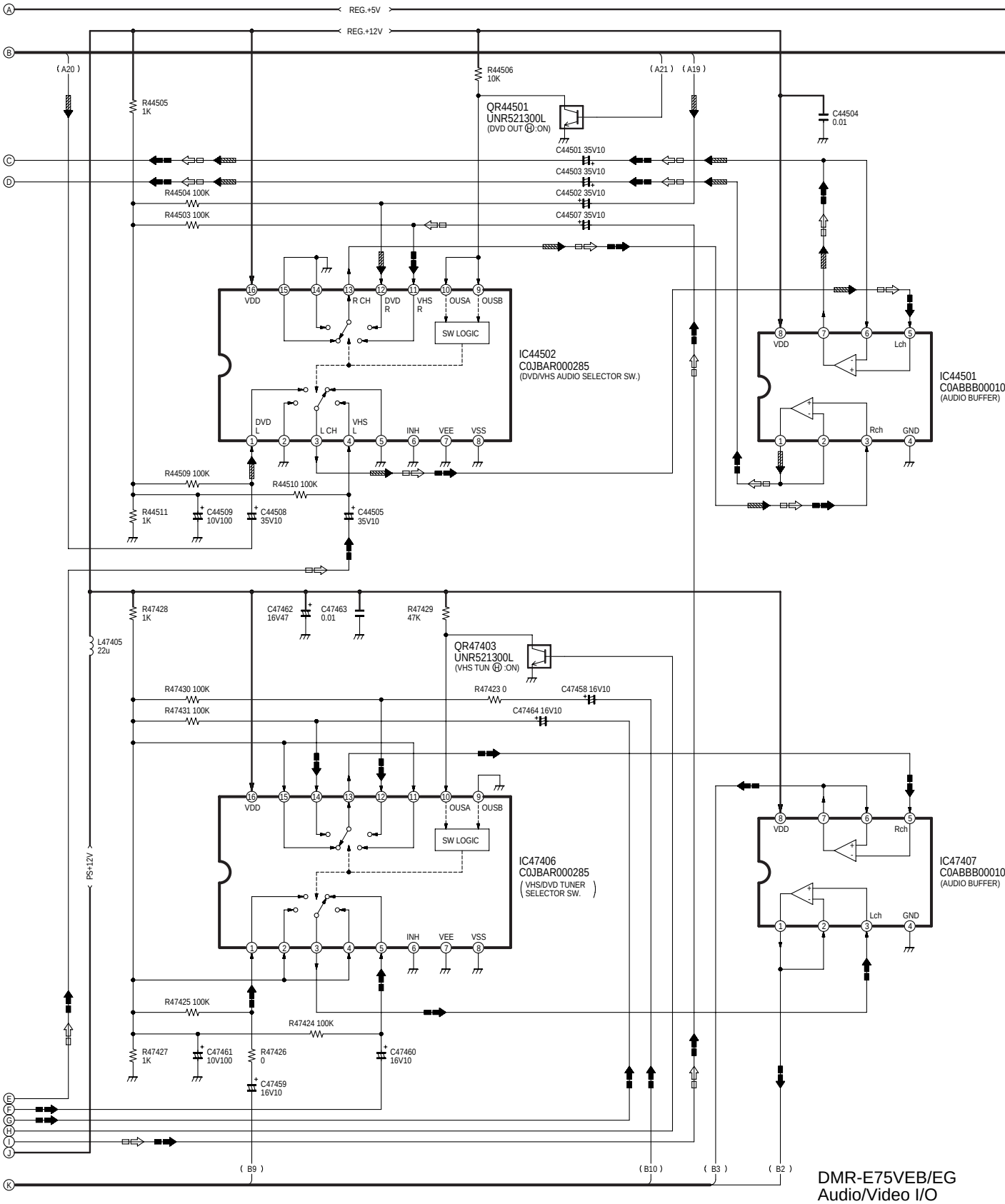
5 | 6 | 7 | 8 | 9

# 21.11. A/V I/O Schematic Diagram



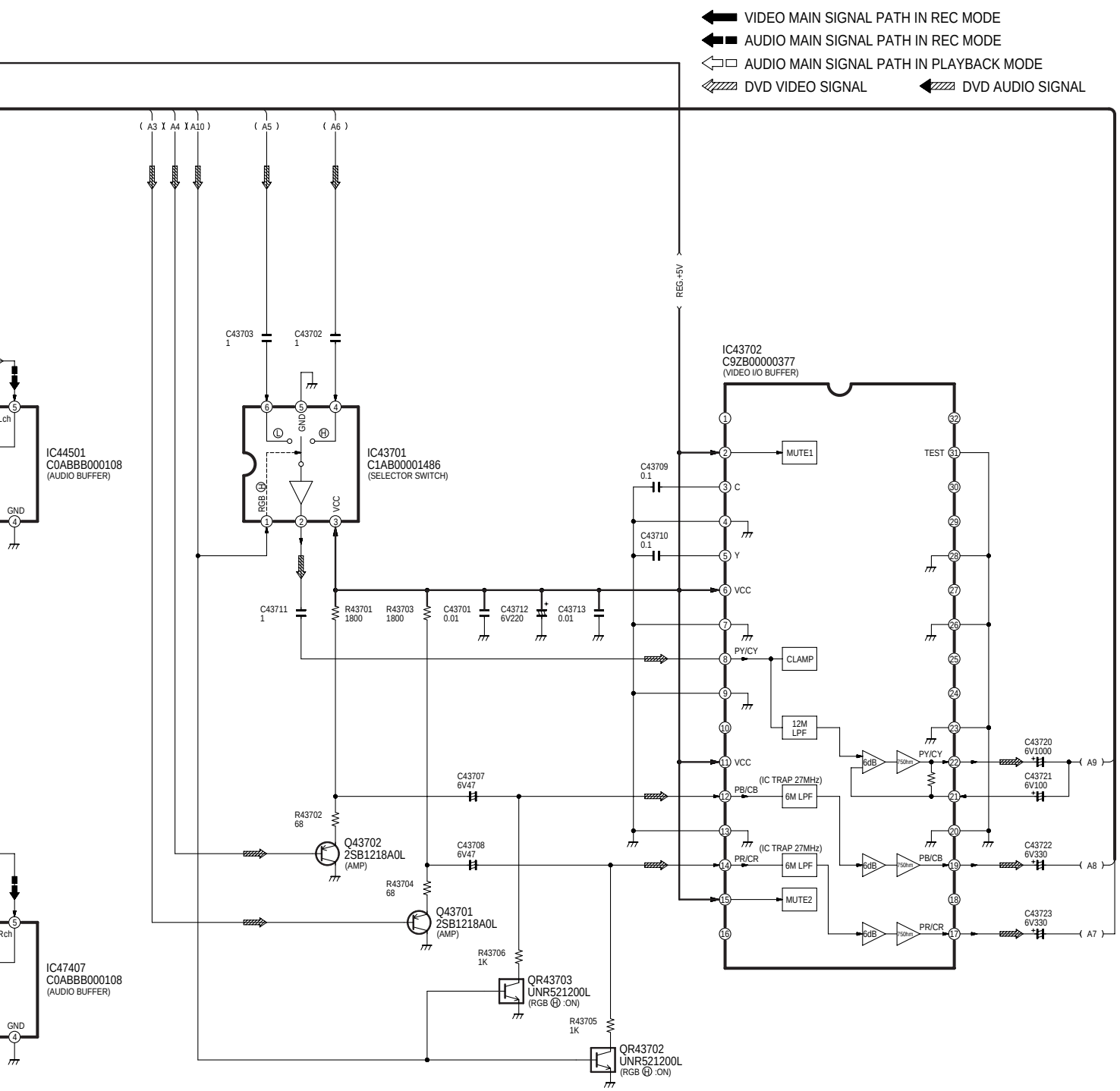



DMR-E75VEB/EG
Audio/Video I/O Schematic Diagram



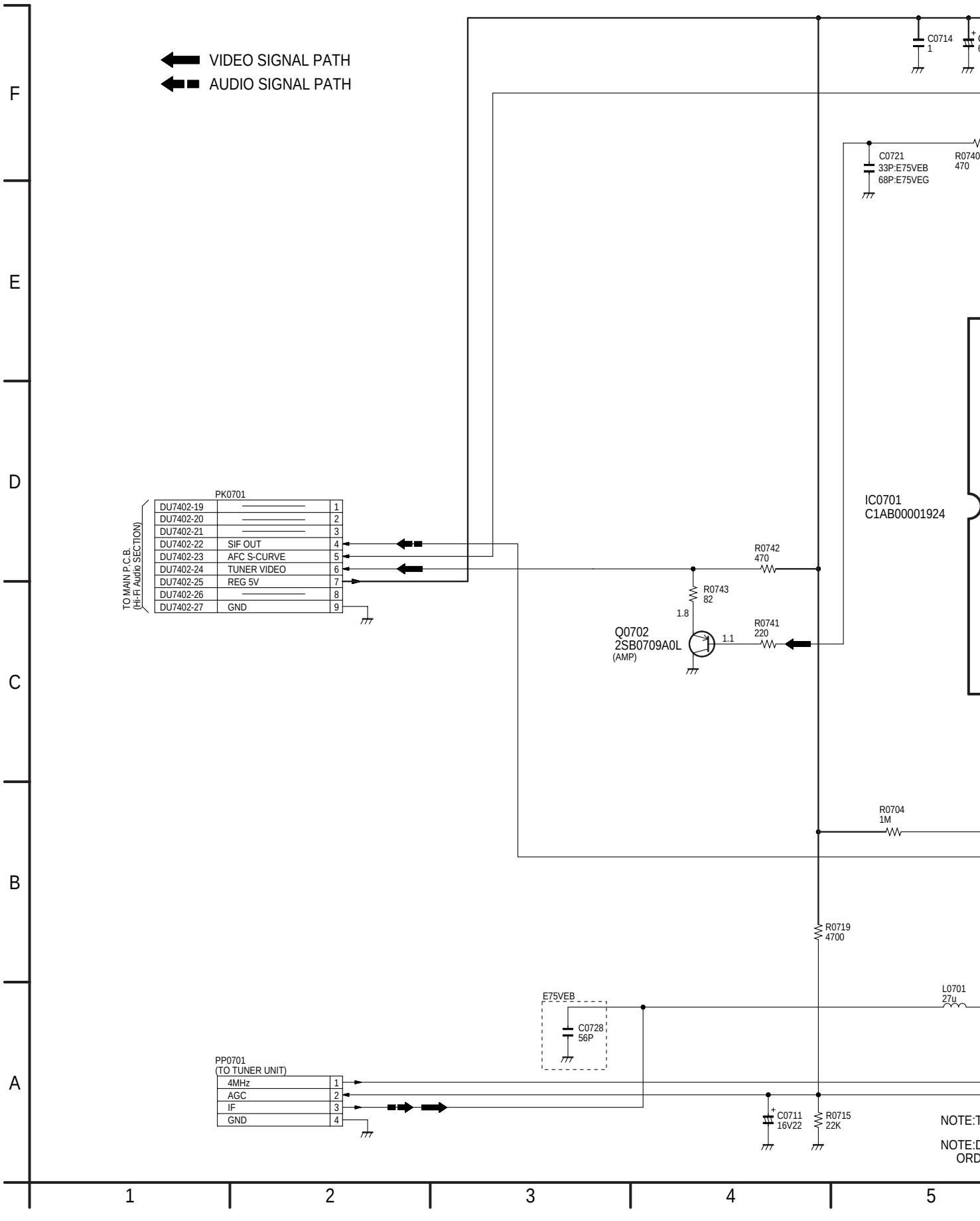

DMR-E75VEB/EG
Audio/Video I/O
Schematic Diagram

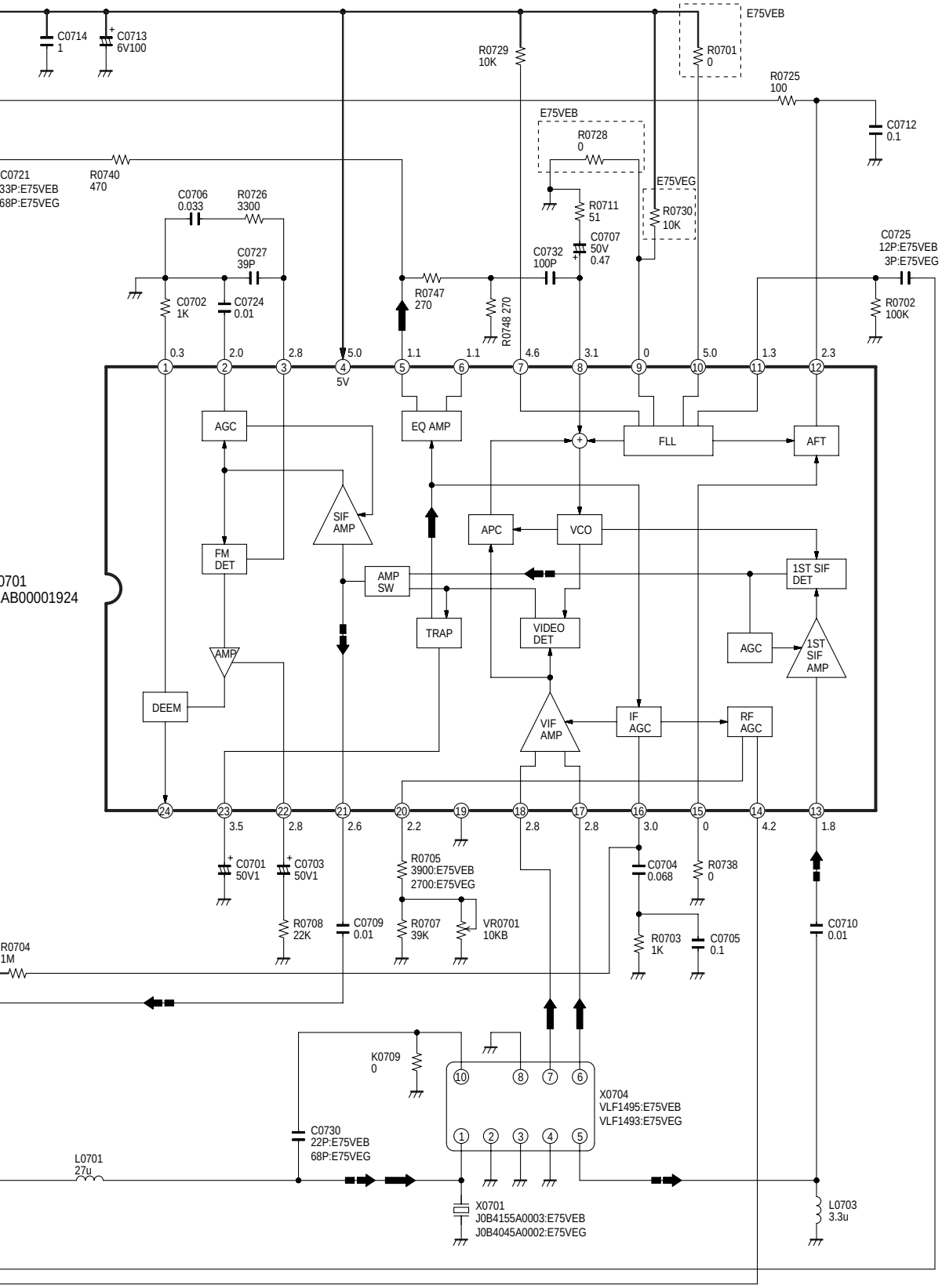
12 13 14 15 16 17




NOTE:DO NOT USE THE PART NUMBER SHOWN ON THIS DRAWING FOR ORDERRING.THE CORRECT PART NUMBER IS SHOWN IN THE PARTS LIST,AND MAY BE SLIGHTLY DIFFERNT OR AMENDED SINCE THIS DRAWING WAS PREPARED.

# 21.12. VIF Decoder (A) Schematic Diagram (For DVD)





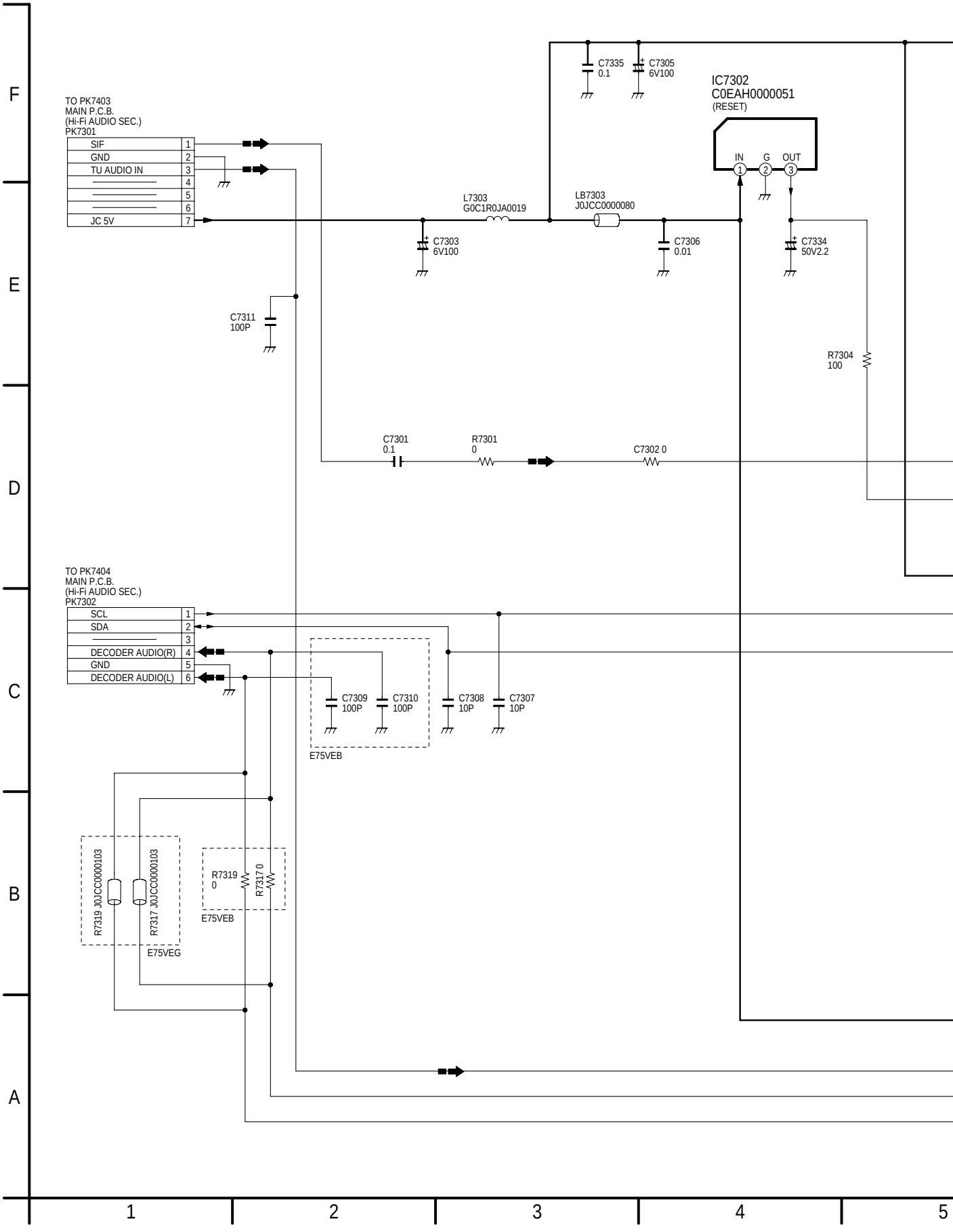

NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

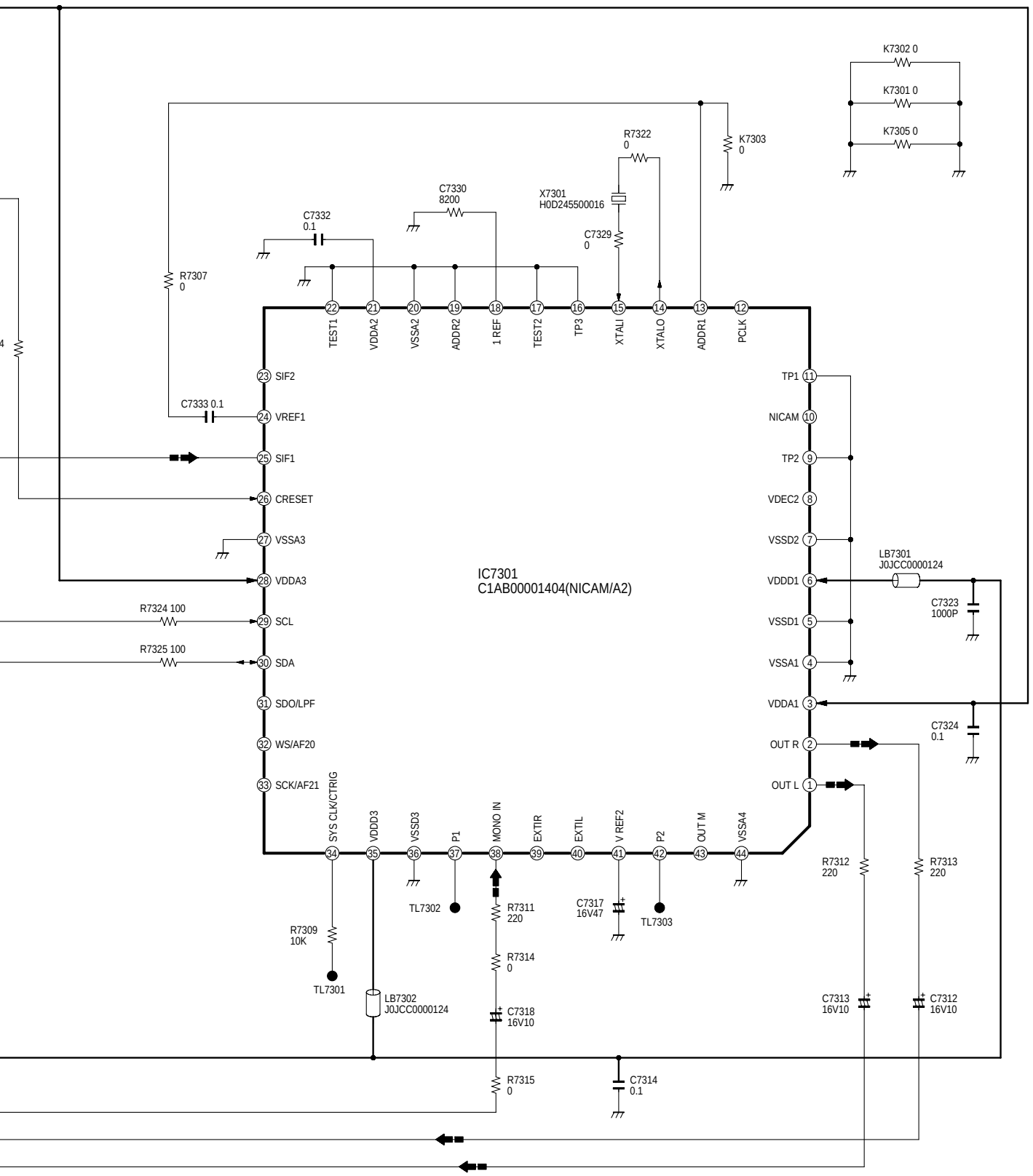
DMR-E75VEB/EG
VIF Decoder(A)
Schematic Diagram (For DVD)

5 | 6 | 7 | 8 | 9

# 21.13. Nicam Decoder (A) Schematic Diagram (For DVD)



AUDIO MAIN SIGNAL PATH IN REC MODE

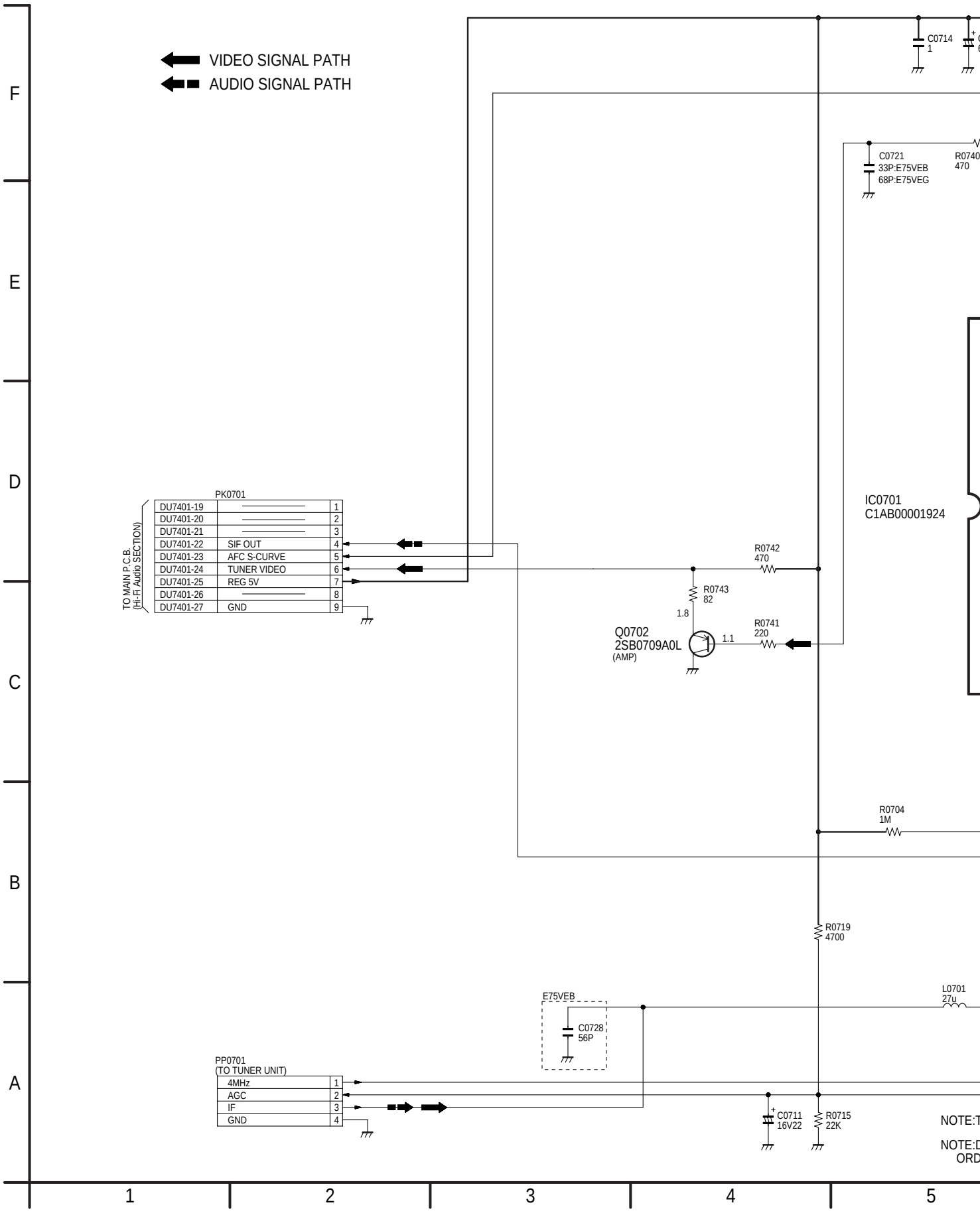


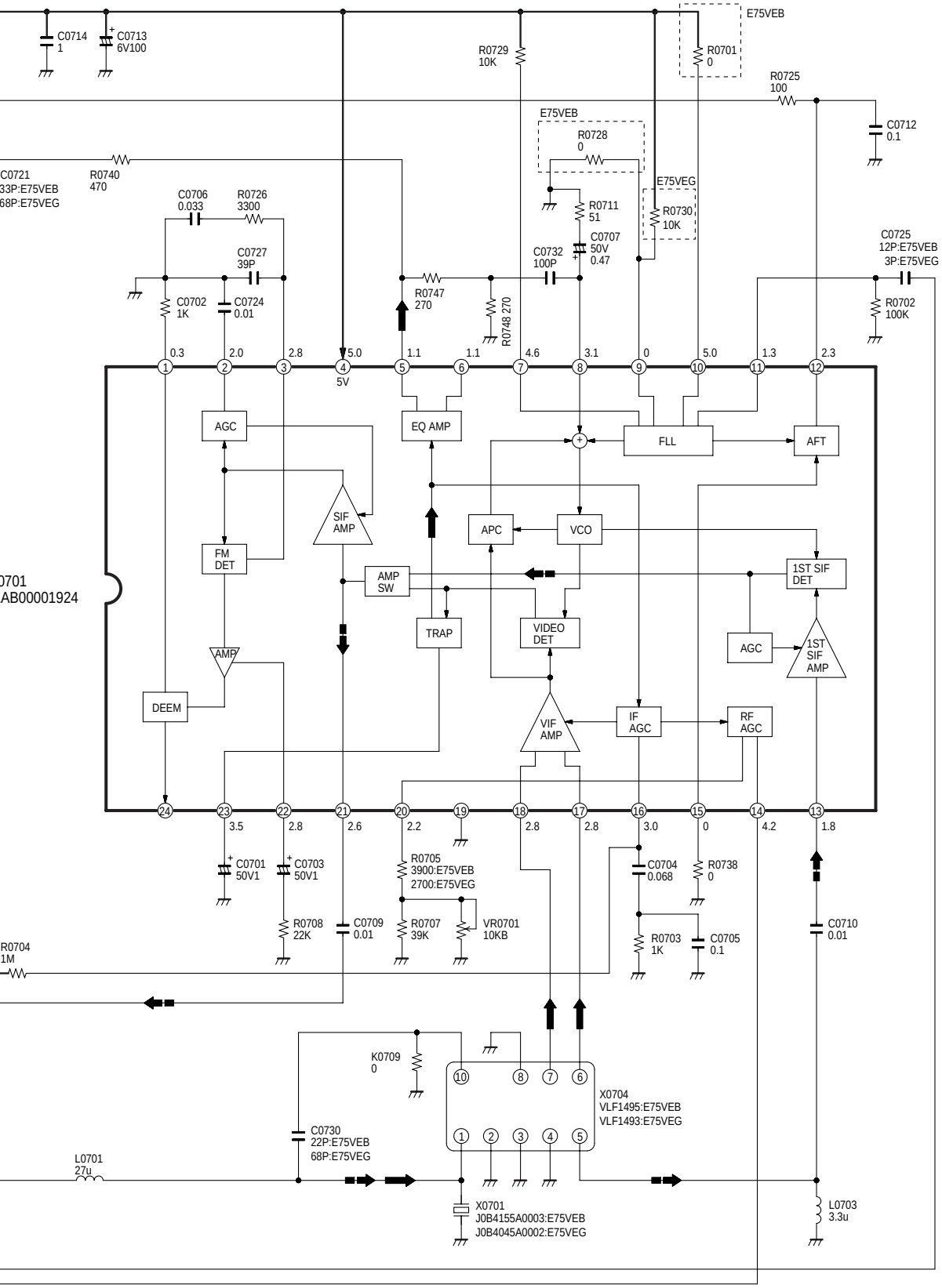

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM
FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
Nicam Decoder(A)
Schematic Diagram (For DVD)

5 | 6 | 7 | 8

# 21.14. VIF Decoder (B) Schematic Diagram (For VHS)





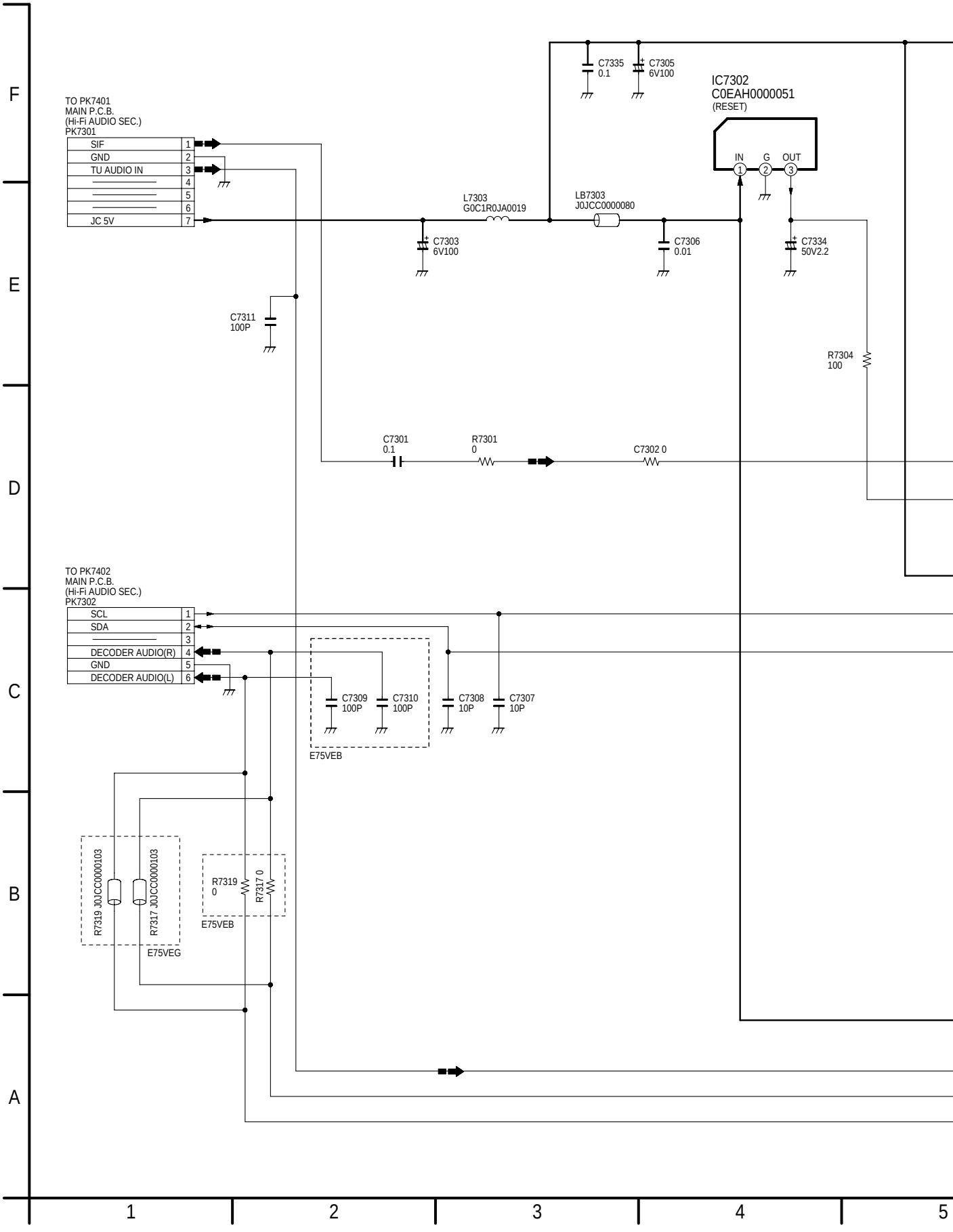

NOTE:THE MEASUREMENT MODE OF THE DC VOLTAGE ON THIS DIAGRAM IS STOP MODE.

NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

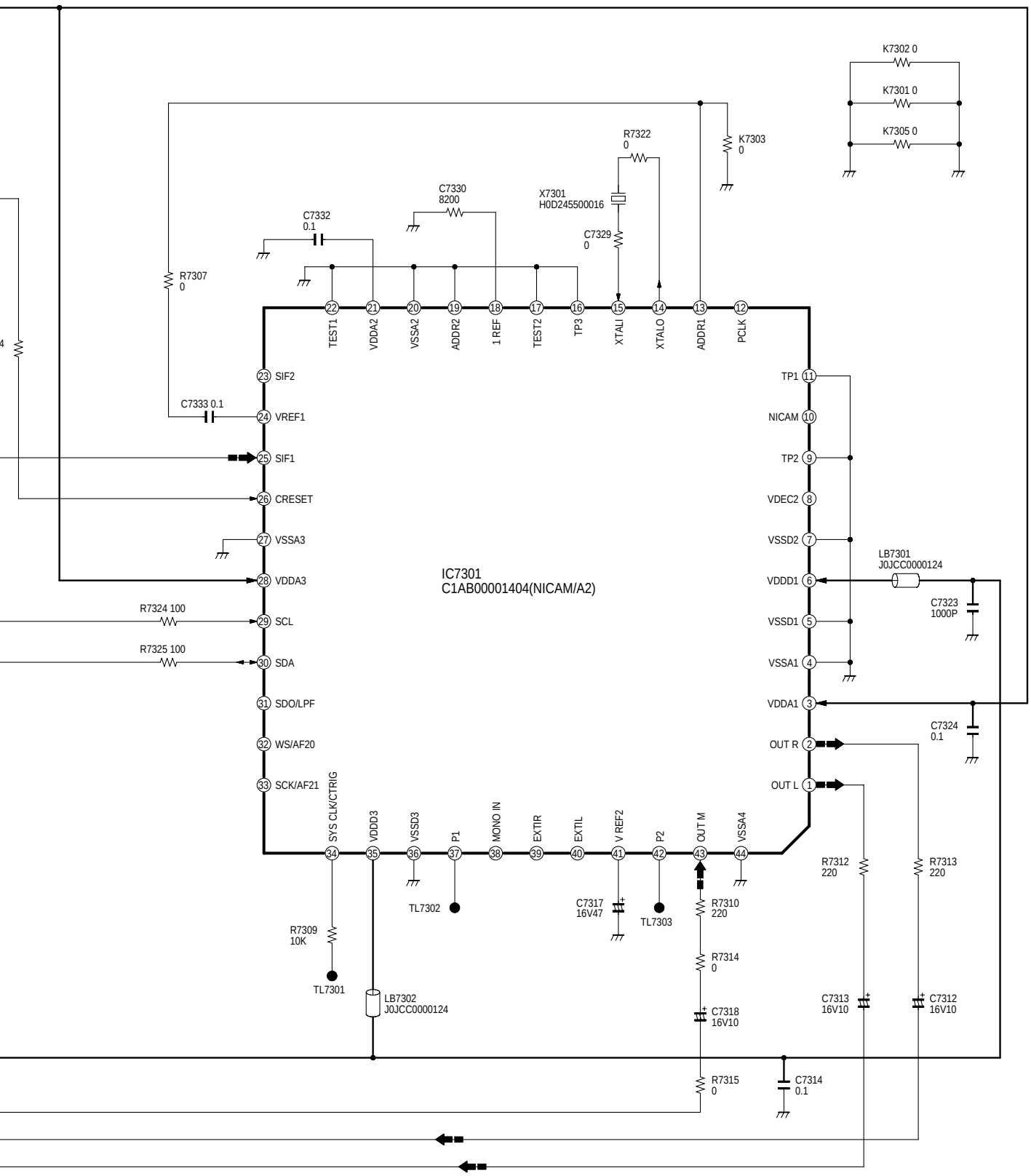
DMR-E75VEB/EG
VIF Decoder(B)
Schematic Diagram (For VHS)

5 | 6 | 7 | 8 | 9

# 21.15. Nicam Decoder (B) Schematic Diagram (For VHS)



AUDIO MAIN SIGNAL PATH IN REC MODE

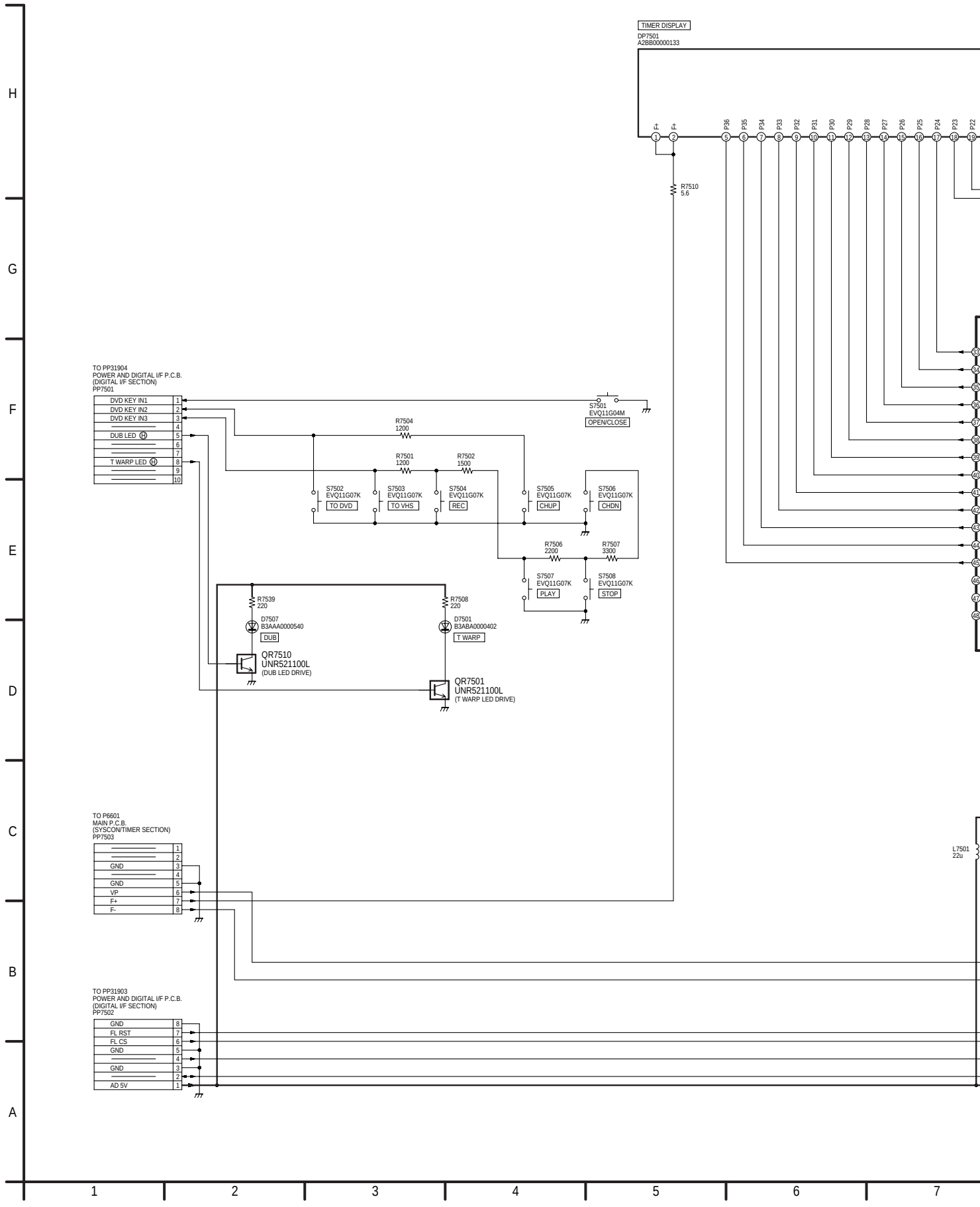


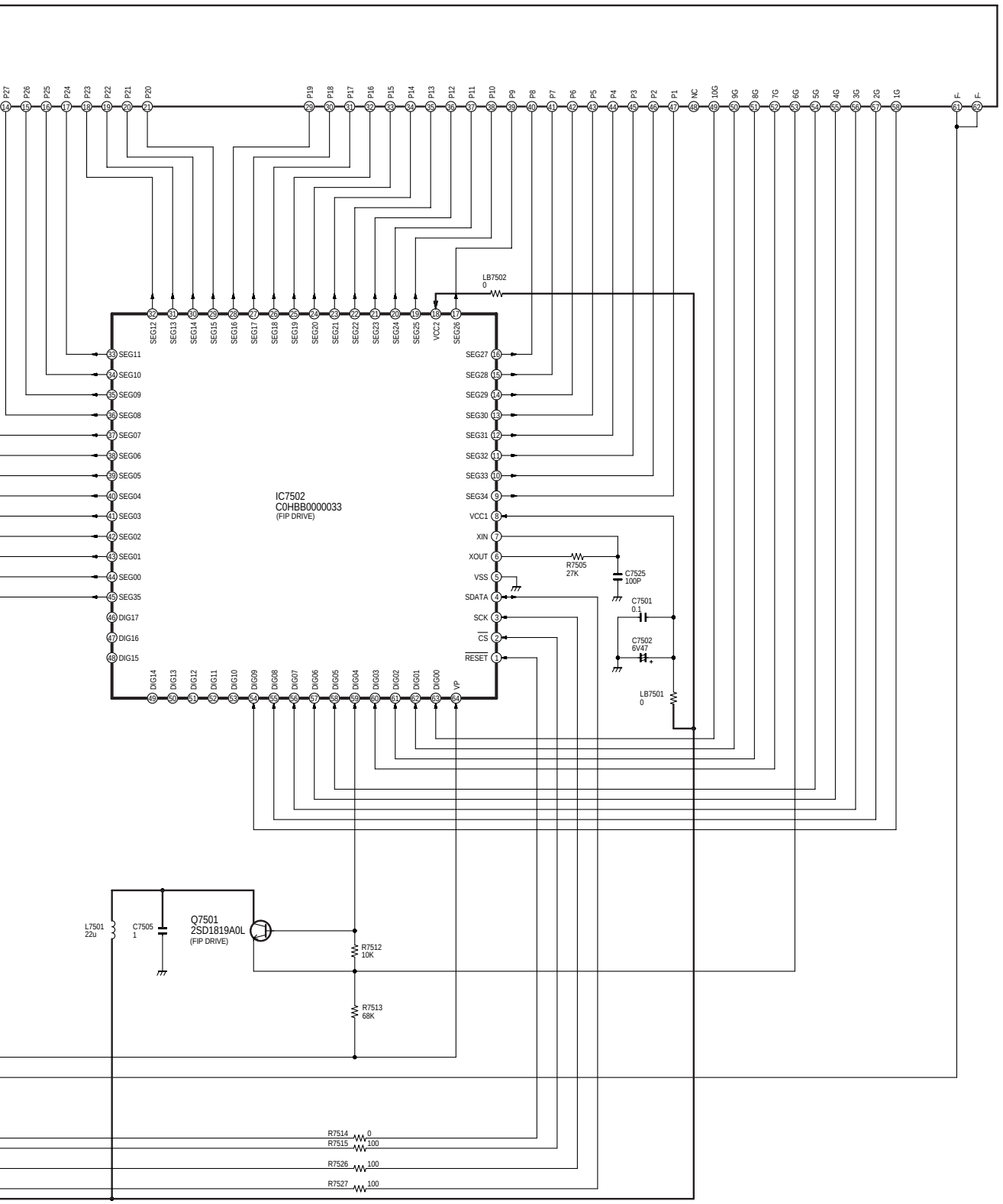

NOTE:
DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM
FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

DMR-E75VEB/EG
Nicam Decoder(B)
Schematic Diagram (For VHS)

5 | 6 | 7 | 8

# 21.16. FL Drive Schematic Diagram



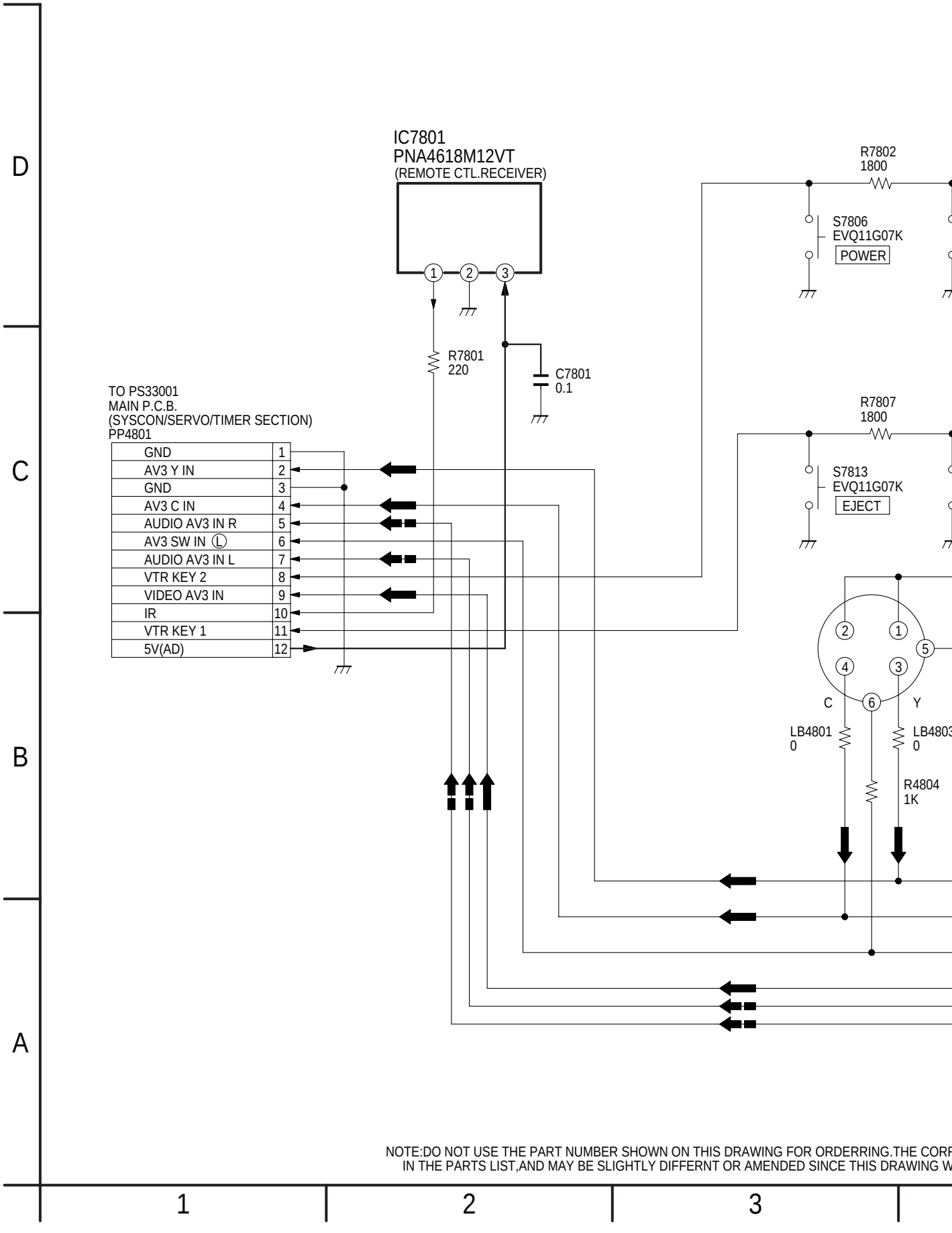

P27 P26 P25 P24 P23 P22 P21 P20 P19 P18 P17 P16 P15 P14 P13 P12 P11 P10 P9 P8 P7 P6 P5 P4 P3 P2 P1 NC 10G 9G 8G 7G 6G 5G 4G 3G 2G 1G F- F-
LB7502 0
SEG12 SEG13 SEG14 SEG15 SEG16 SEG17 SEG18 SEG19 SEG20 SEG21 SEG22 SEG23 SEG24 SEG25 VCC2 SEG26
SEG11 SEG10 SEG09 SEG08 SEG07 SEG06 SEG05 SEG04 SEG03 SEG02 SEG01 SEG00 SEG35 DIG17 DIG16 DIG15
SEG27 SEG28 SEG29 SEG30 SEG31 SEG32 SEG33 SEG34 VCC1 XIN XOUT VSS SDATA SCK CS RESET
IC7502
C0HBB0000033
(FIP DRIVE)
R7505 27K
C7525 100P
C7501 0.1
C7502 6V47
LB7501 0
DIG14 DIG13 DIG12 DIG11 DIG10 DIG09 DIG08 DIG07 DIG06 DIG05 DIG04 DIG03 DIG02 DIG01 DIG00 VP
L7501 22u
C7505 1
Q7501 2SD1819A0L (FIP DRIVE)
R7512 10K
R7513 68K
R7514 0
R7515 100
R7526 100
R7527 100

DMR-E75VEB/EG
FL Drive
Schematic Diagram

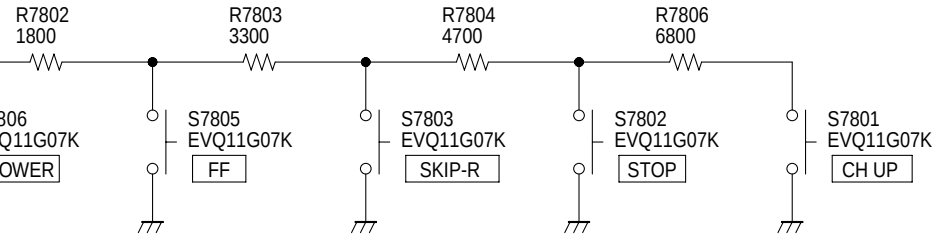
NOTE:DO NOT USE ANY PART NUMBER SHOWN ON THIS SCHEMATIC DIAGRAM FOR ORDERING.WHEN YOU ORDER A PART,PLEASE REFER TO PARTS LIST.

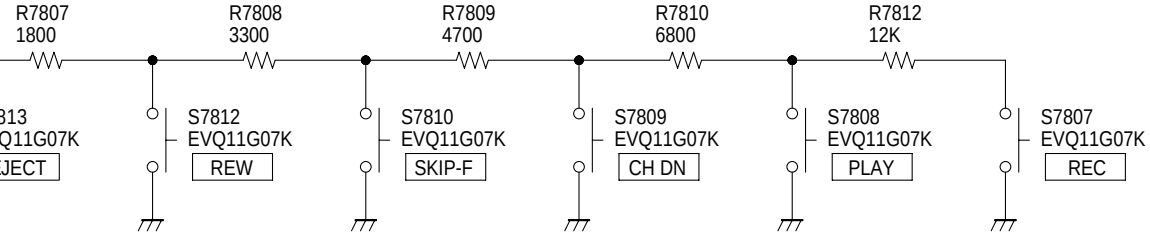
7 | 8 | 9 | 10 | 11 | 12

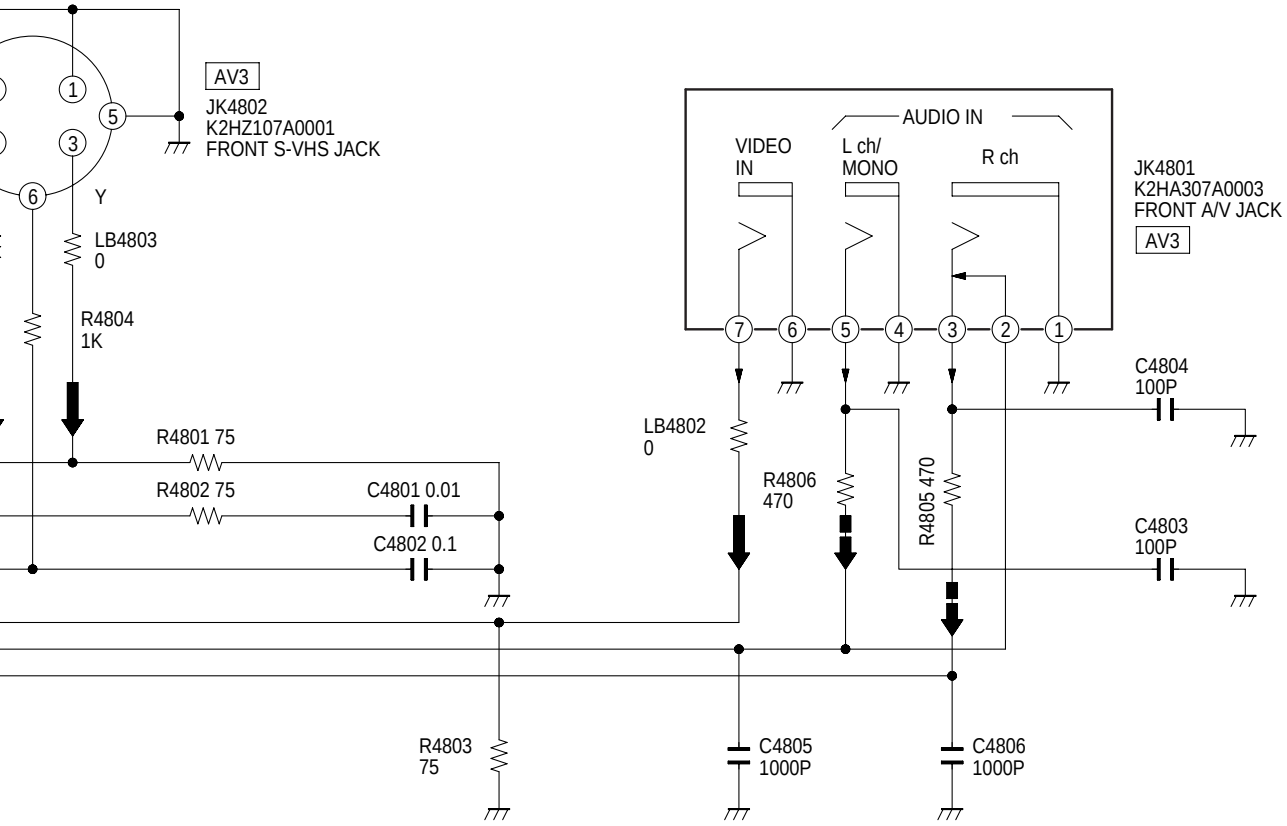
## 21.17. Front Jack Schematic Diagram



VIDEO MAIN SIGNAL PATH IN REC MODE
AUDIO MAIN SIGNAL PATH IN REC MODE




ERRING.THE CORRECT PART NUMBER IS SHOWN
THIS DRAWING WAS PREPARED.

DMR-E75VEB/EG
Front Jack
Schematic Diagram

4 5 6